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SEQ ID NO: 408

&gt;5777 BLOOD 335198.1 X89066.1 g1370118 Human mRNA for TRPC1 protein. 0

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SEQ ID NO: 409

30 >5806 BLOOD 978358.7 U73304 g1657840 Human CB1 cannabinoid receptor (CNR1)  
 gene, complete cds. 0

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SEQ ID NO: 410

>5824 BLOOD 228699.5 X92106 g1321857 Human mRNA for bleomycin hydrolase. 0

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35 SEQ ID NO: 411

>5836 BLOOD 343991.1 J02960 g178203 Human beta-2-adrenergic receptor gene, complete cds. 0

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15 GAGGCGCCCCCAGCCAGTGCCTTACCTGCCAGACTGCGCGCCATGGGGCAACC  
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25 TCAGATGCACTGGTACCGGGCCACCCACCAGGAAGCCATCAACTGCTATGCCAA  
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30 TCTTCCAAGTTCTGCTTGAAGGAGCACAAAGCCCTCAAGACGTTAGGCATCATCA  
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35 GCTACTCCAGCAACGGCAACACAGGGGAGCAGAGTGGATATCACGTGGAACAGG  
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40 AAATTGTAAAATTGTATAGAGATATGCAGAAGGAAGGGCATCCTTCTGCCTTTTT  
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SEQ ID NO: 412

>5885 BLOOD 345860.21 X16832 g29709 Human mRNA for cathepsin H (EC 3.4.22.16). 0

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 15 GGCTGCAGACGTTTGCCAGCAACTGGAGGAAGATAAACGCCCAACAATGGGA  
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 20 CCACCACTGGGGCCCTGGAGTCTGCGATCGCCATCGCAACCGGAAAGATGCTGT  
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 25 GAGGAAGCGATGGTGGAGGCTGTGGCCCTCTACAACCTGTGAGCTTTGCCTTTG  
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 30 CTGCGCCTCCTACCCCATCCCTCTGGTGTGAGCCGTGGCAGCCGCGAGCGCAGACT  
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 35 AACCACATGGACCACGAATATTCTTTCTGTCCAGAAGGGCTACTTTCCACATATA  
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SEQ ID NO: 413

>5900 BLOOD 982889.1 Y00290 g36610 Human mRNA for steroid hormone receptor  
 hERR2. 0

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 5 GAGACGGCTGGATTTCGGAGAACAGCCCCTACCTGAGCTTACAGATTTCCCCGCCT  
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 20 CCTGCATCGGGGCTCTGAGCTGTCCCAGAAGAAGGGGTTTCTTGCTTCCCTGGCCA  
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 25 GACCTGGAGGTACCTGGATGGGCAGGGCTTAGTGCCAGGGGCCAAGAGACTTA  
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 30 GCCAGCTGAGGTAACCTCCAGGACATGCACCTGGGAACCTCGCTGGCTCAGAAAAG  
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SEQ ID NO: 414

35 >5918 BLOOD 403530.1 M67439 g181830 Human D5 dopamine receptor (DRD5) gene,  
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 40 AGCAACGGCACC GCGTACCCGGGGCAGTTCGCTCTATACCAGCAGCTGGCGCAG  
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 ATCAGCGTGGACCGCTACTGGGCCATCTCCAGGCCCTTCCGCTACAAGCGCAAGA  
 TGAATCAGCGCATGGCCTTGGTCATGGTCGGCCTGGCATGGACCTTGTCCATCCT  
 CATCTCCTTCATTCCGGTCCAGCTCAACTGGCACAGGGACCAGGCGGCCTCTTGG

GGCGGGCTGGACCTGCCAAACAACCTGGCCAACTGGACGCCCTGGGAGGAGGAC  
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5 TGGAGAGGGCCGCAGAGCACGCGCAGAGCTGCCGGAGCAGCGCAGCCTGCGCG  
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GTAGTAGCTCGTGTGCTTAGAAACCTCACCCCATGATTGATAGTTTGAAGAATT  
20 GGCAGAAGCAGTTGCAATAAACTCAGTCAAATGTACCCAGCCTACCAGAGATGG  
ACCAACGATCCTATGAGAGAAGAGAGTATGGTGCTGGGTCCTTAAAAAAAAAAAA  
TGATACTTGGTCCTTAAAAAATATGCTCTCCCTCCCTTTTAAACAAATGGCTTG  
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25 TTATGTCATTTCTTCTCTGTGCTGGTGGGGGCCTCTTACCATAGCTTAAGAAG  
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SEQ ID NO: 415

>5932 BLOOD gi|3928192|emb|X62421.1|HSDNAJ Homo sapiens mRNA for DnaJ protein  
homologue

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TAAAGATTACTACCAGACGTTGGGCCAGGCCGCGGCTCGGACGAGGAGATCA  
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35 CCCGCGCAAGCGCGAGATCTTCGACCGCTACTTGGAGGAAGGCCTAAAGGGGAG  
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GACACCTTTTTTGGGCAGCGGAACGGGGAGGAAGGCATGGACATTGATGACCCA  
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40 TCTTGCTCTGCCCAAGAGCCCGCCCGAAAGAAGCAAGATCCCCCAGTCACGCAC  
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45 TAAAGGACAAGCCCCACAATATCTTTAAGAGAGATGGCTCTGATGTCATTTATCC  
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AAGAACCGTACTTGAGCAGGTTCTTCCAATATAGCTATCTGAGCTCCCCAAGGAC  
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5 AGCTATAGGGCATCAGGTGGTGGGAACAGCAGGAAAAGGCATTCCAGTCTGCCC  
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10 GCTCTTCTCCTGGA

SEQ ID NO: 416

>5934 BLOOD 197542.1 S37375 g32468 Human HSJ1 mRNA. 0

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AAGGAGGTGGCCGAGGCATATGAAGTGCTGTCTGACAAGCACAAGCGGGAGATT  
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GCAGAAGCTGGCAGTGGTGGGCCTGGCTTCACCTTCACCTTCCGCAGCCCCGAGG  
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25 AAGTGGAGGAGGATGGGCAGCTGAAGTCAGTCACAATCAATGGTGTCCCAGATG  
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35 ACCCCAGTGTGGA CTTGGGATTTGCTGTGCTCAGCCCAGGGCTGATAGGTCCCTG  
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 CTTGCTAGCCCCAGGGTTAGAGTGGGCAGGGCAGAGCCGCGCAGCACCTGGGAG  
 10 CGGTACCTTTCCCTTGGGCAGCCTGGGGTCCCAGGAACAAGCCAGGGCGAGTGG  
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SEQ ID NO: 417

20 >5950 BLOOD 337103.1 S54181 g35020 Human mRNA for neurotensin receptor. 0  
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 5 AGTGTCTCCCGGGCCTGTCCCCAACTCCTCCCCACCCCTCCCCCATCTCCTCTTTG  
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SEQ ID NO: 418

>5956 BLOOD Hs.92208 gnl|UG|Hs#S376155 Human metargidin precursor mRNA,  
complete cds /cds=(7,2451) /gb=U41767 /gi=1235673 /ug=Hs.92208 /len=2740

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10 GTCAGTGAGGGACACACTTTGGAGAAGTGTGCTGCTACCAGGGAAGAGTGCGGGGA  
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5 AAAAAA

SEQ ID NO: 419

>5982 BLOOD 410650.1 U59831 g1399236 Human transcription factor, forkhead related  
activator 4 (FREAC-4) gene, complete cds. 0

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SEQ ID NO: 420

>5987 BLOOD 220325.2 AF013988 g2318114 Human serine protease mRNA, complete cds.  
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SEQ ID NO: 421

>6005 BLOOD 350249.10 U78180 g1871167 Human sodium channel 2 (hBNC2) mRNA,  
alternatively spliced, complete cds. 0

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SEQ ID NO: 422

>6009 BLOOD gi|2281751|gb|U79666.1|HSU79666 Homo sapiens alpha1A-voltage-  
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25 GGCCTGGTAGCCTTTGCCTTCACTGGCAATAGCAAAGGAAAAGACATCAACAAG  
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30 AGATTGTCGAGGCAAATACCTCCTCTACGAGAAGAATGAGGTGAAGGCGCGAGA  
CCGGGAGTGGAAGAAGTATGAATTCCATTACGACAATGTGCTGTGGGCTCTGCTG  
ACCCTCTTACCGTGTCCACGGGAGAAGGCTGGCCACAGGTCCTCAAGCATTCCG  
TGGACGCCACCTTTGAGAACCAGGGCCCCAGCCCCGGGTACCGCATGGAGATGT  
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35 TGGCCTTGATCATCATCACCTTCCAGGAGCAAGGGGACAAGATGATGGAGGAAT  
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40 CTGCGGGTGTTCAACATCGTCTTACCTCCCTCTTCTCTGGAATGTGTGCTGAA  
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45 GCCCTGCCTTATGTCTGTCTGCTGATCGCCATGCTCTTCTTCATCTATGCCATCAT  
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 AGGGAGGAGCCGACAAACAGCAGATGGACGCTGAGCTGCGGAAGGAGATGATG  
 GCGATTTGGCCCAATCTGTCCCAGAAGACGCTAGACCTGCTGGTCACACCTCACA  
 10 AGTCCACGGACCTCACCGTGGGGAAGATCTACGCAGCCATGATGATCATGGAGT  
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 15 CAGGAGATGTTCCAGAAGACGGGCACATGGAGTCCGGAACAAGGCCCCCCCTACC  
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 25 ACCACCAACATCCCCCGCCCCCGACAAGGACCGCTATGCCCAGGAACGGCCGG  
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 30 GGCGGCTCGGGGCCCCCGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGG  
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 CCGCTCGCCAGGATGGAGAGGCGGGTCCCAGGCCCGGCCGGAGCGAGTCCCC  
 CAGGGCCTGTGACACGGCGGGGCGCGGTGGCCGGCATCTGGCCCGCACGTGTC  
 35 CGAGGGGCCCCCGGGTCCCCGGCACCATGGCTACTACCGGGGCTCCGACTACGA  
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 ACGACGCGCCACCCCCCGTACGACACGCGTCCTCGGGCGCCACCGGGCGCTCGC  
 CCAGGACTCCCCGGGCCTCGGGCCCCGGCCTGCGCCTCGCCTTCTCGGCACGGCCG  
 GCGACTCCCCAACGGCTACTACCCGGCGCACGGACTGGCCAGGCCCGCGGGGCC  
 40 GGGCTCCAGGAAGGGCCTGCACGAACCCTACAGCGAGAGTGACGATGATTGGTG  
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 GGGGGGGCCCGGTACCAATTCGCCCTATAGTGAGTCGTATTA

SEQ ID NO: 423

45 >6010 BLOOD Hs.75794 gnl|UG|Hs#S2650864 Homo sapiens cDNA FLJ12746 fis, clone  
 NT2RP2000842, highly similar to Human lysophosphatidic acid receptor homolog mRNA  
 /cds=UNKNOWN /gb=AK022808 /gi=10434421 /ug=Hs.75794 /len=2687  
 ACGGCGCGCTGGGCTCACACTGTCCCGCCGCGGACGGGCTTTGTGGTTGGGGGC  
 GCGCGTGCGAGTGCCAGTGAGAGTGTGGGTGCGCGCTGTGGGCCGCGGCGCGGG



TGGGTGGCCGTGCGTTCTTGCGAGCCGGCCTGCAGGAGGCGAGGCTCCCCTGGCC  
 TCCCGCACCCAGCGGCGGACCGAGCCCCTGGAGGGAAGTTGCCGCAGCCGCCCG  
 GGCCGCCGGCCCTCCTGTCCCGCGCCAGGTACACAGCTTCTCCTAGCATGACTTC  
 GATCTGATCAGCAAACAAGAAAATTTGTCTCCCGTAGTTCTGGGGCGTGTTACCC  
 5 ACCTACAACCACAGAGCTGTCATGGCTGCCATCTCTACTTCCATCCCTGTAATTT  
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 10 ACCTAATGGCTAATCTGGCTGCTGCAGACTTCTTTGCTGGGTTGGCCTACTTCTAT  
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 15 TGGGTGCTATACCCAGTGTGGGCTGGAAGTGTATCTGTGATATTGAAAATTGTTC  
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 20 CTGGACTCCTGGATTGGTTTTGTACTTCTAGACGTGTGCTGTCCACAGTGCGACG  
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 TCCGATCATTTACTCCTACCGCGACAAAAGAAATGAGCGCCACCTTTAGGCAGATCC  
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 25 TGTGGTTTAGAACGGAACTGAGATGAGGAACCAGCCGTCTCTCTTGGAGGAT  
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 30 ACTCTGGAGTGTCCATTTAGACTACACTAAGTACTTTTAAAAGATTTTGTGTG  
 GTTTGGTGCAAGTCAGAATAAATTCTGGCTAGTTGAATCCACAACCTTCATTTATA  
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 TGCCTATCAGCATGTTTGTGATGGATGAGACTATGGACTGCTTTTAAACTACCAT  
 AATTCCATTTTTTCCCTTACATAGGAAAACGTGAAGTTGGAATTATCTTTTGTTTA  
 35 GAAAGCATGCATGTAATGTATGTATGCAGTATGCCTTACTTAAAAAGATTAAAAAG  
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 GTTTAGGTCATGAAGCAAACAATGCTCTAATCACAATATTAAGTGTAAATTTAAA  
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 40 ATACCCAAGTACATTCTAATTACCAGTATATCAGAGGAAAATTTTCGTAGTCTTT  
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 ATACTGTAAACAGTTTTATAAGTAGATCTTTTTTCATTGCAAAATTGCCACATTTTC  
 45 TTATGGCATTAAAAATTTTACAAAAACATAATTTTAATGGCTATATTATATCCAT  
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 GTTCTAATTTTCATTATTATAAAGTTGCAGAAATTTGGTGT

SEQ ID NO: 424

>6044 BLOOD 1089570.2 L35539 g577412 Human G-protein-coupled receptor (GPR1)  
gene, complete cds. 0

5 GATAAAAGTGGAATGAGGAATGCAGCCGTTCTGAACACCACCCTCCATTTTCATTC  
TGGAACCGGGAAGGTACACCCAGGCATGACAATAGCTTCTCTCCTCACAGAAAT  
TTAACTGATTTCTTCATTCTCCATTTAGCAAGGTCATGGAAGATTTGGAGGAAAC  
ATTATTTGAAGAATTTGAAAACCTATTCCTATGACCTAGACTATTACTCTCTGGAGT  
CTGATTTGGAGGAGAAAGTCCAGCTGGGAGTTGTTCACTGGGTCTCCCTGGTGT  
10 ATATTGTTTGGCTTTTGTCTGGAATTCCAGGAAATGCCATCGTCATTTGGTTCA  
CGGGGTTCAAGTGGAAGAAGACAGTCACCACTCTGTGGTTCCTCAATCTAGCCAT  
TGCGGATTTTCATTTTTCTTCTCTTTCTGCCCTGTACATCTCCTATGTGGCCATGAA  
TTTCCACTGGCCCTTTGGCATCTGGCTGTGCAAAGCCAATTCCTTCACTGCCCAGT  
TGAACATGTTTGCCAGTGTTTTTTTCTGACAGTGATCAGCCTGGAGCACTATATT  
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15 TGTCATTATAT

SEQ ID NO: 425

>6051 BLOOD gi|762887|gb|U16953.1|HSU16953 Human potassium channel beta3 subunit  
mRNA, complete cds

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GGTTTTTGAACATGCATCTGTATAAACCTGCCTGTGCAGACATCCCGAGCCCCA  
AGCTGGGTCTGCCAAAATCCAGTGAATCGGCTCTAAAATGTAGATGGCACCTAG  
CAGTGACCAAGACTCAGCCTCAGGCGGCCTGCAAACCTGTGAGGCCCAAGTGGAG  
CAGCCGAACAGAAATATGTGGAAAAGTTTCTACGTGTTTCATGGAATTTCTGTCGA  
25 GGAAACCACCAGAGCAGAGACGGGCATGGCATAACAGGAATCTTGGAAAATCAG  
GACTCAGAGTTTCTTGCTTGGGTCTTGAACATGGGTGACATTTGGAGGTCAAAT  
TTCAGATGAGGTTGCTGAACGGCTGATGACCATCGCCTATGAAAGTGGTGTTAAC  
CTCTTTGATACTGCCGAAGTCTATGCTGCTGGAAAGGCTGAAGTGATTCTGGGGA  
GCATCATCAAGAAGAAAGGCTGGAGGAGGTCCAGTCTGGTCATAACAACCAAAC  
30 TCTACTGGGGTGGAAAAGCTGAAACAGAAAGAGGGCTGTCAAGAAAGCATATTA  
TTGAAGGATTGAAGGGCTCCCTCCAGAGGCTGCAGCTCGAGTATGTGGATGTGGT  
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GACACATGTGATAAACCAAGGCATGGCGATGTACTGGGGCACCTCGAGATGGAG  
TGCTATGGAGATCATGGAAGCCTATTCTGTAGCAAGACAGTTCAATATGATCCCA  
35 CCGGTCTGTGAACAAGCTGAGTACCATCTTTTCCAGAGAGAGAAAGTGGAGGTC  
CAGCTGCCAGAGCTCTACCACAAAATAGGTGTTGGCGCAATGACATGGTCTCCAC  
TTGCCTGTGGAATCATCTCAGGAAAATACGGAAACGGGGTGCCTGAAAGTTCCA  
GGGCTTCACTGAAGTGCTACCAAGTGGTTGAAAGAAAGAATTGTAAGTGAAGAAG  
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40 GATGCACACTACCTCAGCTAGCTGTTGCGTGGTGCCTGAGAAATGAAGGTGTGA  
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CATTGAGGTTCTCCCAAAGATGACATCACATGTGGTAAATGAGATTGATAACATA  
CTGCGCAACAAGCCCTACAGCAAGAAGGACTATAGATCATAAGGCAATGCATGA  
ACCACAGAAGCTGCATGGTTAAAATAGCGGCCTGTGCCCAGTACAGAAAGGTGT  
45 TACTAACCAAGTCTTTTGAATCACTTAGCAGCTTGCTGCAACCTCTAGTGTCCCTCC  
CTGGATTCTTTGAGGTGTCTGACTGTCGCTACCACTGTGCACATCTGAAAACCTCA  
CAACCAAGAAAATCCATTCTATTTTCTTATCTTGGACTGGAGTCACCTATTATTGC  
ATTGCTGTATACACCTCATGCTTATGCAATGGG

SEQ ID NO: 426

>6117 BLOOD 197754.2 U67319 g1894912 Human Lice2 beta cysteine protease mRNA,  
complete cds. 0

5 GACTTCAATCATCACCCAAATGTTGCTAACTCCCAAAGGCCTGCCTCCATCCAGA  
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CTGTGTACCGTTTTTAGGGGCTGGTCTGCAGTGAACCAGACTGCCTGTGTCCATGG  
AGCTTAGAAGAAGTGGGAAGAGCATTATCAGGCTACGAAGACAGAGTGGGGTA  
AAACAGCAGAGATCAATGAGATCAGAGCACACCCTCGGAGGAAGGGATACATG  
ACAAATGCCTGAACGGAGAGAGGGAGTGAAGTGTGCAAACACACAGCCAGGAG  
10 TTTTCCAAGGACAGGGAGGAGAAAGTATAAGGCCTGCTGTACCCTCGATGCAAA  
ACATGAGAAAGCCGACTGTGCCAGTCCCAGCCGCCCTACCGCCGTGGGAACGAT  
GCTGTAATGGACTGTGTTGGTTGGCCTCCAGGCAGGAAGTGGCACTTGGAAAAG  
AACACCAGCTGCGGTGGTAGCAGTGGGATTTGTGCTTCTTATGTTACCCAGATGG  
CAGATGATCAGGGCTGTATTGAAGAGCAGGGGGTTGAGGATTCAGCAAATGAAG  
15 ATTCAGTGGATGCTAAGCCAGACCGGTCTCGTTTGTACCGTCCCTCTTCAGTAA  
GAAGAAGAAAAATGTCACCATGCGATCCATCAAGACCACCCGGGACCGAGTGCC  
TACATATCAGTACAACATGAATTTTGAAAAGCTGGGCAAATGCATCATAATAAA  
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20 TATAATGACTGCTCTTGTGCCAAGATGCAAGATCTGCTTAAAAAAGCTTCTGAAG  
AGGACCATACAAATGCCGCTGCTTCGCCTGCATCCTCTTAAGCCATGGAGAAGA  
AAATGTAATTTATGGGAAAGATGGTGTCAACCAATAAAGGATTTGACAGCCCA  
CTTTAGGGGGGATAGATGCAAAACCCCTTTTAGAGAAACCCAAACTCTTCTTCATT  
CAGGCTTGCCGAGGGACCGAGCTTGATGATGGCATCCAGGCCGAETCGGGGGCCC  
25 ATCAATGACACAGATGCTAATCCTCGATACAAGATCCCAGTGGAAGCTGACTTCC  
TCTTCGCCTATTCCACGGTTCAGGCTATTACTCGTGGAGGAGCCCAGGAAGAGG  
CTCCTGGTTTTGTGCAAGCCCTCTGCTCCATCCTGGAGGAGCACGGAAGACCTG  
GAAATCATGCAGATCCTCACCAGGGTGAATGACAGAGTTGCCAGGCACTTTGAG  
TCTCAGTCTGATGACCCACACTTCCATGAGAAGAAGCAGATCCCCTGTGTGGTCT  
30 CCATGCTCACCAAGGAAGTCTACTTCAGTCAATAGCCATATCAGGGGTACATTCT  
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GAAGAACTTTCTGGTGCTGTCTTTTGTCTCTGAATTTTTCAGAGACTTTTTTTAT  
AATGTTATTCATTTGGTGACTGTGTAACCTTTCTCTTAAGATTAATTTTCTCTTTGTA  
35 TGTCTGTTACCTTGTTAATAGACTTAATACATGCAACAGAAGTGACTTCTGGAGA  
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CACTTGGCAAAAAGAATCCCAATGTTTGACAAAACACAGCCAAGGGGATATTTA  
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CTTAGGGCAGATTTTCATGCAAAAGTTCTCATATGAGTTAGAGGAGAAAAAGCTT  
40 AATGATTCTGATATGTATCCATCAGGATCCAGTCTGGAAAACAGAAACCATTCTA  
GGTGTTCACACAGAGGGAGTTTAATACAGGAAATTGACTTACATAGATGATAAA  
AGAGAAGCCAAACAGCAAGAAGCTGTTACCACACCCAGGGCTATGAGGATAATG  
GGAAGAGGTTTGGTTTCCTGTGTCCAGTAGTGGGATCATCCAGAGGAGCTGGAA  
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45 GGAGCCATGACAAGAACAACAAACCACTGACTGAGATGGAGTGAGCTGAGACAGA  
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CTGCCCAGGCCTATCTGGAAGCCACCTCACCAAGGACCTTGGAAGAGCAAGGGA  
CAGTGAGGCAGGAGAAGAACAAGAAATGGATGTAAGCCTGGCCCATAATGTGA  
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TTTTTGGCACTTTGTTTTCAAGATGGTGTATCTTTTGAATTCTTGATAAATGACT  
5 GTTTTTTCTGCCTAATAGTAACTGGTTAAAAAACAAATGTTTCATATTTATTGATT  
AAAAATGTGGTTGCTTAATTCCT

SEQ ID NO: 427

>6121 BLOOD 138709.5 U40992 g6031211 Human heat shock protein hsp40 homolog

mRNA, complete cds. 0

10 GGAGGCTGTCTCCTGTGTAGTGTATATTTATCTGTAAGTGAGCCGTTGGGGAAGG  
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GATTAACCTTTTAAAATACCCAGCTTGGTTTATTTTTCTTAGAATCTGTTGCTAAGA  
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15 GAAATGGGGAAAGACTATTATTGCATTTTGGGAATTGAGAAAGGAGCTTCAGAT  
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AACAAATCTCCTCAGGCAGAGGAAAAATTTAAAGAGGTTCGCAGAAGCTTATGAA  
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20 TTTTCATGGCGATCCTCATGCTACATTTGCTGCATTTTTCGGAGGGTCCAACCCCTT  
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AATAGATGGTGATCCTTTTAGTGGCTTTGGTTTCAGCATGAATGGATATCCAAGA  
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25 TTTCTCGAAAAAGGCTAAACGCTGATGGAAGGAGTTACAGATCTGAGGACAAAA  
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GCTAAAATTAGTTTACGAGAGGCATTGTGTGGCTGCTCAATTAATGTACCAACAC  
30 TGGATGGAAGAAACATACCTATGTCAGTAAATGATATTGTGAAACCCGGAATGA  
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35 TGTGAATTCTGTATAAAGATGTGTAAATTCTTTTGAAGGTTTCATTAAATTGCATG  
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40 AGTTCCCATTTTATAATGAAATGAAAATTCTTAACATAACTATACATGTAATATG  
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45 GGAAATCCCAATTGCTTGAATTACTGATATTTTAGAATAGACTTTTAAAATGCC  
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5 GTTATAAAATAGTTTTTCAGGATTATATATATATACTGGATCCTATCGCCTTTTA  
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10

SEQ ID NO: 428

>6133 BLOOD 474194.5 M88279 g186389 Human immunophilin (FKBP52) mRNA,  
complete cds. 0

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CGAGGAGATGAAGGCGACCGAGAGCGGGGCGCAGTCGGCGCCGCTGCCCATGG  
AGGGAGTGGACATCAGCCCCAACAGGACGAAGGCGTGCTGAAGGTCATCAAG  
AGAGAGGGCACAGGTACAGAGATGCCCATGATTGGGGACCGAGTCTTTATCCAC  
20 TACTACTGGCTGGGCTATTAGATGGCACAAAGTTTGACTCCAGTCTGGATCGCAAG  
GACAAATTCTCCTTTGACCTGGGAAAAGGGGAGGTCATCAAGGCTTGGGACATT  
GCCATAGCCACCATGAAGGTGGGGGAGGTGTGCEACATCACCTGCAAAACCAGAA  
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TATTTGAGGTGGAGTTGTTTGAGTTTAAGGGAGAAGATCTGACGGAAGAGGAAG  
25 ATGGCGGAATCATTCGCAGAATACAGACTCGCGGTGAAGGCTATGCTAAGCCCA  
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30 CCCACCAAATGCTGAGCTGAAATATGAATTACACCTCAAGAGTTTTGAAAAGGC  
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35 GTCATCTGAAACTACAGGCCTTCTCTGCTGCCATTGAAAGCTGTAACAAGGCCCT  
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GGCCGTGAATGACTTTGAACTGGCACGGGCTGATTTCCAGAAGGTCTGCAGCTC  
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40 GCTGAGGAGGAGAACAAGGCCAAGGCAGAGGCTTCCTCAGGAGACCATCCCACT  
GACACAGAGATGAAGGAGGAGCAGAAGAGCAACACGGCAGGGAGCCAGTCTCA  
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CCCCCAGTCTCCCCACTCCACCCTGTTAGTTTTGTAAAACTGAAGAATTTTGAGT  
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45 AAGGTGTAGGCTGGGGGATTGAGGTGGGGAATCATTTTAGCTGGTGTACAGCCCT  
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GTTAATTTATTTTGCTCCCTCTGTTAGGTCCATTTTCTAAGGGTAGAAGAGGCAAG  
TGGTAGGGATGAGGTCTGATAAGAACCAGGGTGGAGAGGGAGACTCCTGGGCA  
GCCGTTTTCTCATCCTTTCCCTCTCCAGTCCATTTCCAAATGTGGCCTCCATGT

GGGTGCTAGGGACATGGGAAAAACCACTGCTATGCCATTTCTTCTCTCTGTTCCC  
TTCCTCACCCCCGACGGTGTGGCTGATGATGTCTTCTGGTGTGCATGGTGACCACC  
CCCTGTTCCCTGTTCTGGTATTTCCCCTGTCAGTTTCCCCTCTCGGCCAGGTTGTGT  
CCCAAATCCCCTCAGCCTCTTCTCTGCACGTTGCTGAAGGTCCAGGCTTGCCTC  
5 AAGTTCCATGCTTGAGCAATAAAGTGGAACAATAAAACCTGGGTGTCAGACAA  
CCCTTTCTGTT

SEQ ID NO: 429

>6157 BLOOD Hs.1613 gnl|UG|Hs#S4015 H.sapiens mRNA for A2a adenosine receptor  
/cds=(893,2131) /gb=X68486 /gi=400451 /ug=Hs.1613 /len=2988

10 CATCACCTTTTTTTAAGTAGTAAGAATAAAGCCACTGTATGATTCTCTTAATAGCT  
ATACATTAATCCTGTTTTTAGTGCTGACTGGGCCAGCCTTCCGGGAAGTGGAGTC  
TGTCTCTTTCAGTGCTTTTTTGTGTTTTTGTGTTGTTTTTCGAGACGGGGTCGATCAC  
GGCTCACACAGCCTTAACCTCCAGGGCTCCAGCAATCCTCCCACCTCAGCCTCC  
15 TGAGTAGCTGGGACCACAGGTGTGTGCCACCATCTCCAGCAGTTTGTGTTATTTAT  
TTTTTCTTTTTTTTTTTTTTGGTAGAAATGGGCTTTTCGCCCATGTTGCCCAAGCTGG  
TCTTGCACTTCTGGGCTGAAGCAATCCTCTCGCCTTGGCCTCCCAGAGCCTTGGG  
ATTACAGAATCATGGGTGAGAGCTGGCATGGCCCCTAGAGGTCATTTGGGGTCC  
AGCTGCCTCACCGTATCAATGAGGAAACTGAGGCCAGAAAAGAAAAGCATTGTT  
20 TGCCCAGAGTCCCTCAGAAAAAAACAGACCACATCTGATCCTTGGCCCTGAGTCC  
AGAGTGGGAGGCACCGTGACAACAATGCGCAGAGCAGGGAATGCAGGGAGCCA  
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GCTGCCAGAACCCCTGCAGAGGGCCTGGTTTCAGGAGACTCAGAGTCCCTCTGTGA  
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25 GGCTCAGGGGTCTGGGCCCCCTCCGCCTGGGCCGGGCTGGGAGCCAGGCGGGCGG  
CTGGGCTGCAGCAATGGACCGTGAGCTGGCCCAGCCCAGCGTCCGTGCTGAGCCT  
GCCTGTCGTCTGTGGCATGCCCATCATGGGCTCCTCGGTGTACATCACGGTGGAG  
CTGGCCATTGCTGTGCTGGCCATCCTGGGCAATGTGCTGGTGTGCTGGGCGGTGT  
GGCTCAACAGCAACCTGCAGAACGTACCAACTACTTTGTGGTGTCACTGGCGGC  
30 GGCCGACATCGCAGTGGGTGTGCTCGCCATCCCCTTTGCCATCACCATCAGCACC  
GGGTTCTGCGCTGCCTGCCACGGCTGCCTCTTCATTGCCTGCTTCGTCTGGTCTT  
CACGCAGAGCTCCATCTTCAGTCTCCTGGCCATCGCCATTGACCGCTACATTGCC  
ATCCGCATCCCGCTCCGGTACAATGGCTTGGTGACCGGCACGAGGGCTAAGGGC  
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35 TTGGAACAACCTGCGGTGAGCCAAAGGAGGGCAAGAACCACTCCCAGGGCTGCGG  
GGAGGGCCAAGTGGCCTGTCTCTTTGAGGATGTGGTCCCCATGAACATACATGGTG  
TACTTCAACTTCTTTGCCTGTGTGCTGGTGCCCCCTGCTGCTCATGCTGGGTGTCTA  
TTTGCGGATCTTCCTGGCGGCGCGACGACAGCTGAAGCAGATGGAGAGCCAGCC  
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40 GTCATGGCCATCATTGTGGGGCTCTTTGCCCTCTGCTGGCTGCCCTACACATCA  
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CTGAGGCAGCAAGAACCTTTCAAGGCAGCTGGCACCAGTGCCCGGGTCTTGGCA  
45 GCTCATGGCAGTGACGGAGAGCAGGTGAGCCTCCGTCTCAACGGCCACCCGCCA  
GGAGTGTGGGCCAACGGCAGTGCTCCCCACCCTGAGCGGAGGCCCAATGGCTAT  
GCCCTGGGGCTGGTGAGTGGAGGGAGTGCCCAAGAGTCCCAGGGGAACACGGGC  
CTCCCAGACGTGGAGCTCCTTAGCCATGAGCTCAAGGGAGTGTGCCAGAGCCC  
CCTGGCCTAGATGACCCCTGGCCCAGGATGGAGCAGGAGTGTCTCTGATGATTCA



TGGAGTTTGGCCCTTCCTAAGGGAAGGAGATCTTTATCTTTCTGGTTGGCTTGACC  
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5 GGTGGGGGCCACAGCACCAGCAGCAGCATCTTTCTGGGCAGGCCAGCCCTCCA  
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GACATTTGACTTTTTTCCAGGAAAAATGTAAGTGTGAGGAAACCCCTTTTATTTT  
10 ATTACCTTTCACTCTCTGGCTGCTGGGTCTGCCGTCGGTCTGCTGCTAACCTGGC  
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ACAGGGAGTTGTAACAGAGCAGTGCCAGAGCATGGGCCAGGTCCCAGGGGAG  
AGGTTGGGGCTGGCAGGCCACTGGCATGTGCTGAGTAGCGCAGAGCTACCCAGT  
15 GAGAGGCCTTGTCTAACTGCCTTTCCTTCTAAAGGGAATGTTTTTTCTGAGATAA  
AATAAAAACGAGCCACATCGTGTTTAAAG

SEQ ID NO: 430

>6176 BLOOD 480902.3 X83860 g633213 Human mRNA for prostaglandin E receptor  
(EP3c). 0

20 ACCAGAGGTTTCCCAGAGAGGAAGGCGTGGCTCCCTCCCGGGCCAGTGAGCCCT  
GGCGCCGCGCGCGCGCGGTCCAGCAGCGGAGTAGGGCGGGCGGCTGGGGCCCG  
CACCATGGGGGGGAGGCGCAGCCCCAGCGCGGGTAAACGCCGACCTCCGCGCGCG  
CCGCGCGCGCGCTGCGCCCCCTCCCGGTGGGGCTCTCTGGACGGCATCCCGCTCCTCAG  
25 CTCTGAAGCCAACATGAAGGAGACCCGGGGCTACGGAGGGGATGCCCCCTTCTGC  
ACCCGCCTCAACCACTCCTACACAGGCATGTGGGCGCCCCGAGCGTTCCGCGGAG  
GCGCGGGGCAACCTCACGCGCCCTCCAGGGTCTGGCGAGGATTGCGGATCGGTG  
TCCGTGGCCTTCCCGATCACCATGCTGCTCACTGGTTTCGTGGGCAACGCACTGG  
CCATGCTGCTCGTGTGCGCAGCTACCGGCGCCGGGAGAGCAAGCGCAAGAAGT  
30 CTTTCTGCTGTGTCATCGGCTGGCTGGCGCTCACCGACCTGGTTCGGGCAGCTTCT  
CACCACCCCGGTGCTCATCGTGTGCTGTACCTGTCCAAGCAGCGTTGGGAGCACATC  
GACCCGTCGGGGCGGCTCTGCACCTTTTTTCGGGCTGACCATGACTGTTTTTCGGGC  
TCTCCTCGTTGTTTCATCGCCAGCGCCATGGCCGTCGAGCGGGCGCTGGCCATCAG  
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35 GCTCGGCGTGTGGCTGGCCGTGCTCGCCTTCGCCCTGCTGCCGGTGCTGGGCGTG  
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GGGGGCAACGGGACTAGCTCTTCGCATAACTGGGGCAACCTTTTCTTCGCCTCTG  
CCTTTGCCTTCCTGGGGCTCTTGGCGCTGACAGTCACCTTTTCTGCAACCTGGCC  
ACCATTAAGGCCCTGGTGTCCCGCTGCCGGGCCAAGGCCACGGCATCTCAGTCCA  
40 GTGCCCAGTGGGGCCGCATCACGACCGAGACGGCCATTACGCTTATGGGGATCA  
TGTGCGTGCTGTGCGGTCTGCTGGTCTCCGCTCCTGATAATGATGTTGAAAATGAT  
CTTCAATCAGACATCAGTTGAGCACTGCAAGACACACACGGAGAAGCAGAAAGA  
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CTTGGGTTTACCTGCTGTTAAGAAAGATCCTTCTTCGAAAGTTTTGCCAGGTAGC  
45 AAATGCTGTCTCCAGCTGCTCTAATGATGGACAGAAAGGGCAGCCTATCTCATTA  
TCTAATGAAATAATACAGACAGAAGCATGAAAGAAAACACTTAACTTGCATGTG  
CACAGCTTTTGGTAACAAATATCGCTAAACCTTACTGTGAATTTAGGCATCTCTG  
GCATGCCACTGTTTATGCATTGAAGTGGAATTTTTGGTATAAAGCTAAATGGTCT  
TAGAAGCATAGAAAATCCCTATGTGCCAAAAGTAGTGAAACACAAACAAAGGAA

AATATATTAATAACAGTCTAGTGTTTTTGTGAGTCTGCCATTCGTAGCTGAATAT  
 GTGATTAATTATGTGATGAAAACATTTTTTATAAATGATCTTGGTCTATTGGGGA  
 GCGGGGATAGTTAATATTCCAGTACACTGAATACATGAGGAATTTAACCACATAC  
 ATCATTGAAGACAAGGGATAGCAGTTTGTTTTTATTCAAAGACATTGCTGTGTTC  
 5 TCTTTCATTGCCTCTCTCGCTTTCTGTCACTTTTTTCCTCCTTACATTAAAGAAAAG  
 TTTAATTACAGTTAAAAATGTATAATGTATTTATAATATTCATCGATACCATTATT  
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 GAAATATGGAGTTTGTGACTACCCAAATTGCTAATTATTCTTTCTTTTGAATATAT  
 10 TTTACATTTCTATGAGCCTAAGGAAGATTCATGAAACTGACCTATGAGAGTCGTG  
 AAGTGGTTTTTTCAGAATGCTATGTAAGGACCGATTTGAGCACTAACTATAGGTAC  
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 15 GCTCTTCTGCCTGCTCCTCAAAGTGGCTCTATCTAAATATTTATTACTAAAATGTT  
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 GGTCGATTCATTTTGTAAACCCATTAACTTTTTATTGTGAAGATTTTCATTTGCAG  
 20 TTTCTTGCCTGCTTTTCTAGTTTTTTTAAAAGCTTGAGATTTATTTATACTTCTTGT  
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 GAATATGTCTATCAGATTGATATATACACCAGCCTATGTCAATTGGGGCTAATTA  
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 TGTAAATTAATGATGGTTCTACTAACTAAATTTTGGAAAAGGTGATAAATAGACTA  
 25 TACTAAAATCTCTCTATGCCATAGAATTGGATTATCCTGTAGGTCATCTCATTGGG  
 TCTAAGACAAAACCTACTTTTTTTCAAAGTGCCTGAAATCACATAATAAAA  
 GAGGCTTTACCTCTTGGTTGGTCCTGTGACCCTAAGTTCTAGTCAGATAGACACA  
 GAGGCAATGTGAATTTGAGTGGCATGAGCATGATTAGGTTATTCCTTCCAGCATC  
 TAGTATAGCACCTGGAATATAGAAACTGTCTAATACATATTTATTAGTGAATCA  
 30 ATGAGCAGAAGTTTGCCAGGACAGTACACATTGGCAAGGCACATACCATATGAT  
 TGAAGTGCTTCATGCCATTACAGTCCATCAGGCTGATAAAGTGAATTATTTCTGA  
 TTATTTAATTACAGAAATATGAATTTATCTTCAAGGGGTTAGTGTCTACTGCTGT  
 ACAACACAGTGCTTTATTTATACTAATAATTTAGGAGACTGATACTTCCAAATGA  
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 35 AAAGGCAAAAAACCTGACACTTATTCTTAACTGCAAATTAATTCCTGCCAGGG  
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 AGGCATTTCGTTAGTATGGGGAAACCTGCATAAGCAACTGAAAATCCCAAATGAT  
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 40 CGGTGGTTAGAAAGAGGATATATGTAGTCACAGCAGAAAGACGTGTCTAAGTTT  
 AATTTTATTGGCTTTCAAGTTCACCTCATGTATACTTAGTTTGTCCATACATATGTC  
 TAATCAGGAAAAATGCATGTATAGATTATGACAATTCCTGAATTTTGAAGTATTG  
 GTTAAAAGACAATTAAGGCCAAGAAAACCATGGTGGAGAAGTAAGCGAATG  
 AAATGTAGAAATATATGTAAAATTAGCAAGTGTCAATTTTACCAAGTAGTGTTGA  
 45 TTTTCCAAACAATGAATTTATATACTATGCTGAGTCACAGAGAAGAATGATCACA  
 TGTTACTTAATGAGAGCAGTTTACTTTTCAAATAAAAATAGGTATGATGAATGTCT  
 TAAAAATATCTTGAAGTTGAAGAAACAAAAATGAGTTATCTCAATATTTACCAAG  
 TTAACCTAGTGCTGTATATATCCCAAGATATTTTAGGTAAATGTAAGTGTTTAATC  
 ATGCCAGATTTAAACTAGTCTGAAATATAGGGTATACATATTTTCTACTTACAT

TTCTTTATTTTATGAAATATCCGACCATGTTGCAGAAAATAATGCAAAACCTCAT  
GTAAGTTAACTATGAAAGATCCTGTGAGCACATTGGCATTGAGTGACAGACAAA  
CTAAAAACTGGCAAACAGTATTTTAATAAGGGGGTCACTCTGTGGCAGTATTCTA  
ATATTGGATTTTCAAGTAGATTAGGCTTTTTATTATTCAACGCTTTTTATAATTTT  
5 GTTCTTTTTGACTCCAAATTATTGGTCAGCTTTCAACCTTCTCCACATCAGCAATC  
ACTAATAGTTCTTTTGGTTGAGATCAACTCAGAA

SEQ ID NO: 431

>6204 BLOOD 350550.3 S74902 g984506 Human P2U nucleotide receptor mRNA,  
complete cds. 0

10 GGGGAACAGCGCAGGGAGGTGGGTAGCCGGGCTCCCAGGCACGTGGGTCTCTGC  
GGCTGCGGCGGGACCCGGGCACTGGCACCCGGGAGCGGCGGCGACGGCACCCCG  
AGAGGAGAAGCGCAGCGCAGTGGCGAGAGGAGCCCCCTTGTGGCAGCAGCACTA  
CCTGCCCAGAAAAATGCTGGAGGCTGGGCGTGGCCCCAGGCCTGGGGACCTGTT  
15 TTTCTGTTTCCCGCAGAGTTCCCTGCAGCCCGGTCCAGGTCCAGGCGTGTGCATT  
CATGAGTGAGGAACCCGTGCAGGCGCTGAGCATCCTGACCTGGAGAGCAGGGGC  
TGGTCAGGGCGATGGCAGCAGACCTGGGCCCCCTGGAATGACACCATCAATGGCA  
CCTGGGATGGGGATGAGCTGGGCTACAGGTGCCGCTTCAACGAGGACTTCAAGT  
ACGTGCTGCTGCCTGTGTCTACGGCGTGGTGTGCGTGCTTGGGCTGTGTCTGAA  
20 CGCCGTGGCGCTCTACATCTTCTTGTGCCGCTCAAGACCTGGAATGCGTCCACC  
ACATATATGTTCCACCTGGCTGTGTCTGATGCACTGTATGCGGCCTCCCTGCCGCT  
GCTGGTCTATTACTACGCCCGGGGGGACCACTGGCCCTTCAGCAGCGTGTCTGCG  
AAGCTGGTGCGCTTCCCTCTTCTACAGCAACCTTACTGCAGCATCCTCTTCTCAG  
CTGCGATCAGCGTGCACCGGTGTCTTGGGCGTCTTACGACCTCTGCGGTCCCTGCGC  
25 TGGGGCCGGGCCCCGCTACGCTCGCCGGGTGGCCGGGGCCGTGTGGGTGTTGGTG  
CTGGCCTGCCAGGCCCCCGTGTCTACTTTGTACCAACCAGCGCGCGCGGGGGCC  
GCGTAACCTGCCACGACACCTCGGCACCCGAGCTCTTCAGCCGCTTCGTGGCCTA  
CAGCTCAGTCATGCTGGGCCTGCTCTTCGCGGTGCCCTTTGCCGTATCCTTGTCT  
GTTACGTGCTCATGGCTCGGCGACTGCTAAAGCCAGCCTACGGGACCTCGGGCG  
30 GCCTGCCTAGGGCCAAGCGCAAGTCCGTGCGCACCATCGCCGTGGTGCTGGCTGT  
CTTCGCCCTCTGCTTCCTGCCATTCCACGTACCCGCAACCCTCTACTACTCCTTCC  
GCTCGCTGGACCTCAGCTGCCACACCCTCAACGCCATCAACATGGCCTACAAGGT  
TACCCGGCCGCTGGCCAGTGCTAACAGTTGCCTTGACCCCGTGCTCTACTTCTTG  
GCTGGGCAGAGGCTCGTACGCTTTGCCCGAGATGCCAAGCCACCCACTGGGGCCC  
35 CAGCCCTGCCACCCCGGCTCGCCGCAGGCTGGGCCTGCGCAGATCCGACAGAAC  
TGACATGCAGAGGATAGAAGATGTGTTGGGCAGCAGTGAGGACTCTAGGCGGAC  
AGAGTCCACGCCGGCTGGTAGCGAGAACACTAAGGACATTCCGGCTGTAGGAGCA  
GAACACTTCAGCCTGTGCAGGTTTATATTGGGAAGCTGTAGAGGACCAGGACTTG  
TGCAGACGCCACAGTCTCCCCAGATATGGACCATCAGTGAATCATGCTGGATGAC  
40 CCCATGCTCCGTCAATTTGACAGGGGCTCAGGATATTTCACTCTGTGGTCCAGAGTC  
AACTGTTCCCATAAACCCCTAGTCATCGTTTGTGTGTATAAGTTGGGGGAATTAAG  
TTTCAAGAAAGGCAAGAGCTCAAGGTCAATGACACCCCTGGCCTGACTCCCATG  
CAAGTAGCTGGCTGTACTGCCAAGGTACCTAGGTTGGAGTCCAGCCTAATCAAGT  
CAAATGGAGAAACAGGCCCAGAGAGGAAGGTGGCTTACCAAGATCACATACCA  
45 GAGTCTGGAGCTGAGCTACCTGGGGTGGGGGCCAAGTCACAGGTTGGCCAGAAA  
ACCCTGGTAAGTAATGAGGGCTGAGTTTGCACAGTGGTCTGGAATGGACTGGGT  
GCCACGGTGGACTTAGCTCTGAGGAGTACCCCCAGCCCAAGAGATGAACATCTG  
GGGACTAATATCATAGACCCATCTGGAGGCTCCCATGGGCTAGGAGCCAGTGTG  
AGGCTGTAACCTATACTAAAGGTTGTGTTGCCTGCTGAAAAAAA

SEQ ID NO: 432

&gt;6217 BLOOD gi|535478|gb|U12512.1|HSU12512 Human bradykinin receptor B1 subtype mRNA, complete cds

5 CTGTGCATGGCATCATCCTGGCCCCCTCTAGAGCTCCAATCCTCCAACCAGAGCC  
 AGCTCTTCCCTCAAAATGCTACGGCCTGTGACAATGCTCCAGAAGCCTGGGACCT  
 GCTGCACAGAGTGCTGCCGACATTTATCATCTCCATCTGTTTCTTCGGCCTCCTAG  
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 AGAAATCTACCTGGCCAACCTGGCAGCCTCTGATCTGGTGTGTTTGTCTTGGGCTTG  
 10 CCCTTCTGGGCAGAGAATATCTGGAACCAGTTTAACTGGCCTTTCGGAGCCCTCC  
 TCTGCCGTGTCATCAACGGGGTTCATCAAGGCCAATTTGTTTCATCAGCATCTTCCT  
 GGTGGTGGCCATCAGCCAGGACCGCTACCGCGTGCTGGTGCACCCTATGGCCAG  
 CGGAAGGCAGCAGCGGCGGAGGCAGGCCCGGGTACCTGCGTGCTCATCTGGGT  
 TGTGGGGGGCCTCTTGAGCATCCCCACATTCTGCTGCGATCCATCCAAGCCGTC  
 15 CCAGATCTGAACATCACCGCCTGCATCCTGCTCCTCCCCCATGAGGCCTGGCACT  
 TTGCAAGGATTGTGGAGTTAAATATTCTGGGTTTCTCCTACCACTGGCTGCGAT  
 CGTCTTCTTCAACTACCACATCCTGGCCTCCCTGCGAACGCGGGAGGAGGTCAGC  
 AGGACAAGAGTGCGGGGGCCGAAGGATAGCAAGACCACAGCGCTGATCCTCAC  
 GCTCGTGGTTGCCTTCCTGGTCTGCTGGGCCCCCTTACCCTTCTTTGCCTTCCTGG  
 20 AATTCTTATTCCAGGTGCAAGCAGTCCGAGGCTGCTTTTGGGAGGACTTCATTGA  
 CCTGGGCCTGCAATTGGCCAACCTTCTTTGCCTTCACTAACAGCTCCCTGAATCCA  
 TGAATTTATGTCTTTGTGGGCGCGCTCTTCAGGACCAAGGTCTGGGAACTTTATA  
 TCAACAATGCACCGCTAAAAGTCTTGCTCCAATATCTTCATGCCATAGGAAAGAAAT  
 CTTCCAACCTTTCTGGCGGAATTAAAACAGCATTGAACC

SEQ ID NO: 433

&gt;6227 BLOOD gi|182389|gb|M57285.1|HUMFACX Human coagulation factor X (F10) mRNA, complete cds

30 ATGGGGCGCCCACTGCACCTCGTCCTGCTCAGTGCCTCCCTGGCTGGCCTCCTGC  
 TGCTCGGGGAAAGTCTGTTTCATCCGCAGGGAGCAGGCCAACAACATCCTGGCGA  
 GGGTCACGAGGGCCAATTCCTTTCTTGAAGAGATGAAGAAAGGACACCTCGAAA  
 GAGAGTGCATGGAAGAGACCTGCTCATAACGAAGAGGCCCGCGAGGTCTTTGAGG  
 ACAGCGACAAGACGAATGAATTCTGGAATAAATAACAAAGATGGCGACCAGTGTG  
 AGACCAGTCCTTGCCAGAACCAGGGCAAATGTAAAGACGGCCTCGGGGAATACA  
 35 CCTGCACCTGTTTAGAAGGATTGCAAGGCCAAAACTGTGAATTATTCACACGGA  
 AGCTCTGCAGCCTGGACAACGGGGACTGTGACCAGTTCTGCCACGAGGAACAGA  
 ACTCTGTGGTGTGCTCCTGCGCCCCGCGGGTACACCCTGGCTGACAACGGCAAGGC  
 CTGCATTCCCACAGGGCCCTACCCCTGTGGGAAACAGACCCTGGAACGCAGGAA  
 GAGGTCAGTGGCCCAGGCCACCAGCAGCAGCGGGGAGGCCCCTGACAGCATCAC  
 40 ATGGAAGCCATATGATGCAGCCGACCTGGACCCACCGAGAACCCTTCGACCT  
 GCTTGACTTCAACCAGACGCAGCCTGAGAGGGGGCGACAACAACCTCACCAGGAT  
 CGTGGGAGGCCAGGAATGCAAGGACGGGGAGTGTCCCTGGCAGGCCCTGCTCAT  
 CAATGAGGAAAACGAGGGTTTCTGTGGTGGAACTATTCTGAGCGAGTTCTACATC  
 CTAACGGCAGCCCCTGTCTCTACCAAGCCAAGAGATTCAAGGTGAGGGTAGGG  
 45 GACCGGAACACGGAGCAGGAGGAGGGCGGTGAGGCGGTGCACGAGGTGGAGGT  
 GGTCATCAAGCACAACCGGTTTCAAAAGGAGACCTATGACTTCGACATCGCCGT  
 GCTCCGGCTCAAGACCCCCATCACCTTCCGCATGAACGTGGCGCCTGCCTGCCTC  
 CCCGAGCGTGACTGGGCGGAGTCCACGCTGATGACGCAGAAGACGGGGATTGTG  
 AGCGGCTTCGGGCGCACCCACGAGAAGGGCCGGCAGTCCACCAGGCTCAAGATG

CTGGAGGTGCCCTACGTGGACCGCAACAGCTGCAAGCTGTCCAGCAGCTTCATCA  
TCACCCAGAACATGTTCTGTGCCGGCTACGACACCAAGCAGGAGGATGCCTGCC  
AGGGGGACAGCGGGGGGCCGACGTCACCCGCTTCAAGGACACCTACTTCGTGA  
CAGGCATCGTCAGCTGGGGAGAGGGCTGTGCCCCGTAAGGGGAAGTACGGGATCT  
5 ACACCAAGGTCACCGCCTTCCTCAAGTGGATCGACAGGTCCATGAAAACCAAGG  
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SEQ ID NO: 434

10 >6233 BLOOD 988660.1 L33930 g500848 Human CD24 signal transducer mRNA, complete  
cds and 3' region. 0

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15 GCGAGGCGCGGACTTTTCTTTTGGGGGGTTTCGCCGGCTCGCCGCGCTCCCCACCT  
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20 GCCCCAAATCCAATAATGCCACCACCAAGGCGGCTGGTGGTGCCTGCAGTCA  
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25 AGAACATGTGAGAGGTTTGACTAGATGATGGATGCCAATATTAAATCTGCTGGA  
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TCCTTGAATGTGGCTTGAGAAATATGGACACTTAATACTACCTTGAAAATAAGAA  
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30 TGTACATGAGAAGGAACCTTCCAGGTGTTACTGTAATTCCTCAACGTATTGTTTCG  
ACAGCACTAATTTAATGCCGATATACTCTAGATGAAGTTTTACATTGTTGAGCTA  
TTGCTGTTCTCTTGGGAACCTGAACCTCACTTTTCTCCTGAGGCTTTGGATTGACAT  
TGCATTTGACCTTTTATGTAGTAATTGACATGTGCCAGGGCAATGATGAATGAGA  
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35 AATGGTAGGCATTTCCCTATCACCTGTTTCCATTCAACAAGAGCACTACATTCATT  
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NN  
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40 NNN  
NN  
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NNNNNTATTTCTGCATATGTTTGAATACTTTTTACAATTTAAAAAAATGATCTGTTT  
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45 ACTATAAATCAAGTATTTGGGAAGTGAAGACTGGAAGCTAATTTGCATAAATTCA  
CAAACCTTTTATACTCTTTCTGTATATACATTTTTTTTTCTTTAAAAACAACCTATGG  
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TAGAACCTGGTCCTAAGCCTAAAAGTGGGCTTGATTCTGCAGTAAATCTTTTACA  
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SEQ ID NO: 435

>6245 BLOOD 222810.1 M33537 g182662 Human N-formylpeptide receptor (fMLP-R98)

mRNA, complete cds. 0

10 GTCACTCTCCCCAGGAGACCCAGACCTAGAACTACCCAGAGCAAGACCACAGCT  
GGTGAACAGTCCAGGAGCAGACAAGATGGAGACAAATTCCTCTCTCCCCACGAA  
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15 ATCTGGGTGGCTGGATTCCGGATGACACACACAGTCACCAACCATCAGTTACCTGA  
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25 AGGCTTGATTAAGTCCAGTCGTCCCTTACGGGTCTCTCCTTTGTCGCAGCAGCCT  
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35 TGGACCTCAGCCTCGGGTGGTCAGGGTGGGAAATGATAGGAAGAAGCTGTCATC  
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SEQ ID NO: 436

>6269 BLOOD 234630.33 M59040 g180129 Human cell adhesion molecule (CD44) mRNA,  
complete cds. 0

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SEQ ID NO: 437

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SEQ ID NO: 438

>6304 BLOOD 447973.12 D50683 g1827474 Human mRNA for TGF-betaIIIR alpha,  
complete cds. 0

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 45 ATTCTCACTCTAGGCTTTATCGTGTTTACTTTTTTCATTACACTTGACTTGATTTTCT  
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SEQ ID NO: 439

&gt;6308 BLOOD Hs.22675 gnl|UG|Hs#S1969031 Homo sapiens mRNA for KIAA1144

protein, partial cds /cds=(119,1588) /gb=AB032970 /gi=6329972 /ug=Hs.22675 /len=5027

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10 GAGACGCGCCTGGGCCGCTTGCTGCTCTGCCACTCGCGCGAGGCCATTCTGGAGC  
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SEQ ID NO: 440

>6321 BLOOD gi|177991|gb|M16405.1|HUMACHRM4 Human m4 muscarinic  
acetylcholine receptor gene

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20 GAGACGGTGGAAATGGTCTTCATTGCCACAGTGACAGGCTCCCTGAGCCTGGTG  
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25 CCGTCATGAACCTTCTCATCATCAGCTTTGACCGCTACTTCTGCGTCACCAAGCCT  
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TGCTTCAGCGAGCTGCGGGGCACTGGCCTGGGTGGGCACCTGCCCACTGTGACCA



ACCATCAGCAGTGCTGGAAGAATGGAGATCTGGATGGGGGCCGAAGCCCAGGGC  
CCCCTCAGGAAGAACAAAG

SEQ ID NO: 441

5 >6329 BLOOD 1099618.13 J03516 g607029 Human elastase III B mRNA, complete cds,  
clone pCL1E3. 0

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SEQ ID NO: 442

>6332 BLOOD 1095450.1 X87949 g1143491 Human mRNA for BiP protein. 0

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35 CAACCGCATCACGCCGTCTATGTTCGCTTCACTCCTGAAGGGGAACGTCTGATT  
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40 CTCATAAAATGAAAGAAACCGCTGAGGCTTATTTGGGAAAGAAGGTTACCCAT  
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45 GTCTTCGAAGTTGTGGCCACTAATGGAGATACTCATCTGGGTGGAGAAGACTTTG  
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 10 CAGATTGAAGTCACCTTTGAGATAGATGTGAATGGTATTCTTCGAGTGACAGCTG  
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 20 AAAATTGAAAGAACTTAAGTCTCGAATGTAATTGGAATCTTCACCTCAGAGTGGA  
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SEQ ID NO: 443

>6336 BLOOD 988256.7 M21121 g339420 Human T-cell-specific protein (RANTES)

mRNA, complete cds. 0

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 40 CGGGGTAAAGAGATCCGAGCCATTCTTGGTTACCCCGGTGAAACCCAGTCTCC  
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 45 ACCCAACCTGATTAGGAAAGTGAGAACAGAAATTACCAGTATCATAATGAAAAG  
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GGTGCACCGACCCGAGGCACACCGCACCGCCTTGACCCGAAGCCAGGGCCGCG  
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GCCTCTCTGTAGAC

SEQ ID NO: 444

>6352 BLOOD 346440.22 M24899 g537521 Human triiodothyronine (ear7) mRNA,  
complete cds. 0

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CCCCTCCCACCGCCCCGCCCCCTTGGGGCGCAGGGCATGGTGTGAAAGGCCAAG  
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 15 CATGTTGTTTCAGGGTCCGCAGGTCCGGCAGCTTGAGCAGCAGCTTGGTGAAGCG  
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SEQ ID NO: 445

>6353 BLOOD Hs.73817 gnl|UG|Hs#S268571 Homo sapiens gene for LD78 alpha

precursor, complete cds /cds=(86,364) /gb=D90144 /gi=219905 /ug=Hs.73817 /len=781  
 35 CAGAAGGACACGGGCAGCAGACAGTGGTCAGTCCTTTCTTGGCTCTGCTGACACT  
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 TGTAATTTATTTTCGATTTTCACAGTGTGTTTGTGATTGTTTGTCTCTGAGAGTTCCC  
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SEQ ID NO: 446

5 >6372 BLOOD 902559.1 M34309 g183990 Human epidermal growth factor receptor  
(HER3) mRNA, complete cds. 0

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10 CTTGGCTGGGCTCCCTTCACCCTCTGCGGAGTCATGAGGGCGAACGACGCTCTGC  
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15 CGAGAAGTGACAGGCTATGTCCTCGTGGCCATGAATGAATTCTCTACTCTACCAT  
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25 AGAGGATGTCAACGGTTATGTTCATGCCAGATACACACCTCAAAGGTACTCCCTCC  
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30 CCCTGTACCCATCATGCCCCTGACAGGCACAACTCCAGATGAAGACTATGAATAT  
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45 GAGCCAGGCATCATACTAACTTCACCTACATTATCTCACTTAGTCCTTTATCATC  
CTTAAACAATTCTGTGACATACATATTATCTCATTTTNNNNNNNNNNNNNNNNNN  
NN  
NN  
NN



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GCAGAAATGATTAAAAATGTTTGAGCACAACTTGCCGTGCATGTGTGAAGTGAAA  
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SEQ ID NO: 448

>6407 BLOOD 199338.3 M31315 g182291 Human coagulation factor XII (Hageman)  
 mRNA, 3' end. 0

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 40 CCCTGCCAGAAAGGAGGGACCTGTGTGAACATGCCAAGCGGCCCCCACTGTCTC  
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 45 AGGGCCACCGCCTGTGCCACTGCCCGGTGGGCTACACCGGACCCCTTCTGCGACGT  
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25 >6436 BLOOD gi|219919|dbj|D13515.1|HUMMARR Homo sapiens mRNA for key subunit  
 of N-methyl-D-aspartate receptor, complete cds  
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 GTGGCGTCCGCAGCCCGCGGGGCGGGGCGAGCGCAGGACGGCCCGGAAGCCCCG  
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 35 CCATCCTAGTTAGCCATCCACCTACCCCCAACGACCACTTCACTCCCACCCCTGTC  
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5 GGTGATCTGCACCGGGGCCAACGACACGTCGCCGGGCAGCCCCCGCCACACGGT  
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10 CGCGCAGTACATCGAGTTTTCCAAGCCCTTCAAGTACCAGGGCCTGACTATTCTG  
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ACCTGCTGGACCGCTTCAGCCCCCTTCGGCCCGTTCAAGGTGAACAGCGAGGAGG  
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15 GCTCAACTCCGGCATCGGGGAAGGCGCCCCCAGAAGCTTCTCAGCGCGCATCCT  
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20 ATATGGAGAAGCACAACTACGAGAGTGCGGCGGAGGCCATCCAGGCCGTGAGA  
GACAACAAGCTGCATGCCTTCATCTGGGACTCGGCGGTGCTGGAGTTCGAGGCCT  
CGCAGAAGTGCGACCTGGTGACGACTGGAGAGCTGTTTTTCCGCTCGGGGCTTGGG  
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25 CAGGAATGTGACTCGCGCAGCAACGCCCTGCGACCCTTACTTTTGAGAACATGG  
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30 CCTGGCTTCCAGCTTCAAGAGGCGTAGGTCTCCTCAAAGACACGAGCACCGGGGG  
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35 AGCACCCCCAG

SEQ ID NO: 450

>6437 BLOOD 242455.2 U72648.1 g3914602 Human alpha2-C4-adrenergic receptor gene,  
complete cds. 0

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CGGAGGGGGGCGCGGGCGGTGCGGACGGGGCAGGGGGCGGGGGCCGGGGGCGGGCT  
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 5 GCTGGCTGTGGTCATGGGCGTGTTCTGTGCTCTGCTGGTTCCCCTTCTTCTTCAGCT  
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 10 GCTCGGGGCTGGGCAGAAGGGGCGGCCCGGACGGGGGAGCTTTCCAGAGACCC  
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 20 CCTGGCAGCCACCCCCCGACTAGGTCTTGAGAAAGTCAGCCCTTGGTCAGACGG  
 GGATGGGGAGTGGTAGTGTGTTTCGGGGGGCTCCTTGCTCGCCCATTTAGGAAGC  
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SEQ ID NO: 451

>6460 BLOOD gi|603954|dbj|D43950.1|HUMKG1DD Homo sapiens mRNA for KIAA0098 protein, partial cds

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SEQ ID NO: 452

>6469 BLOOD 478620.78 D55696 g1890049 Human mRNA for cysteine protease, complete  
cds. 0

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GGTGGGAAAAGCTCTGTATTGAGAAGGGTCATATTTGCTTTCTAGGAGGTTTGT  
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SEQ ID NO: 453

>6521 BLOOD 244633.12 L11066 g307322 Human mRNA sequence. 0

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5

SEQ ID NO: 454

>6538 BLOOD 332156.1 AF004021 g2257849 Human prostaglandin F2 alpha receptor  
mRNA, complete cds. 0

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20 SEQ ID NO: 455

>6545 BLOOD 228575.9 L29384 g495867 Human (clone pcDNA-alpha1E-1) voltage-

dependent calcium channel alpha-1E-1 subunit mRNA, complete cds. 0

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25 CTAGCATTTGTCATCTTCTTCCGTGTCACCTTAGCAGGTTGTTGACAGCCCCACACA  
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SEQ ID NO: 456

>6559 BLOOD 404061.1 U21051 g687793 Human G-protein-coupled receptor (GPR4) gene,  
complete cds. 0

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>6649 BLOOD 222735.9 J05036 g181193 Human cathepsin E mRNA, complete cds. 0

20

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 10 TTT

SEQ ID NO: 458

>6653 BLOOD 416874.3 M15476 g340159 Human pro-urokinase mRNA, complete cds. 0

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SEQ ID NO: 459

10 >6657 BLOOD 284616.2 D10924 g219868 Human mRNA for HM89. 0

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SEQ ID NO: 460

45 >12205 BLOOD gi|2257932|gb|AF004327.1|AF004327 Homo sapiens angiopoietin-2  
 mRNA, complete cds

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40 SEQ ID NO: 461

>12266 BLOOD Hs.90786 gnl|UG|Hs#S1368546 Homo sapiens multidrug resistance-  
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 /gi=4106443 /ug=Hs.90786 /len=5346

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45 SEQ ID NO: 462

>13258 BLOOD 411233.5 D10995 g219678 Human gene for serotonin 1B receptor,  
complete cds. 0

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SEQ ID NO: 463

10 >13306 BLOOD 1096917.19 K01500 g177808 Human alpha-1-antichymotrypsin (AACT)  
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SEQ ID NO: 464

45 >13478 BLOOD 233142.9 D79986 g1136389 Human mRNA for KIAA0164 gene, complete  
cds. 0  
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SEQ ID NO: 465

>13519 BLOOD gi|894352|gb|H25229.1|H25229 y145d06.s1 Soares breast 3NbHBst Homo sapiens cDNA clone IMAGE:161195 3' similar to contains LTR3 repetitive element ;, mRNA sequence

20 ATTCTTTAAAAAATTAGTTGCTTTTTTATACAGCTATACAAAGTTCTTAATGTTTCT  
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25 GAAAGGNGGAAAAAGNCACACACATACACACACACACACACACACACACACACAC  
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SEQ ID NO: 466

30 >13524 BLOOD Hs.229619 gnl|UG|Hs#S219269 y149d08.s1 Homo sapiens cDNA, 3' end  
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SEQ ID NO: 467

45 >13526 BLOOD Hs.260516 gnl|UG|Hs#S219414 y155d09.s1 Homo sapiens cDNA, 3' end  
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5 SEQ ID NO: 468

>13580 BLOOD 978116.6 Incyte Unique

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40 SEQ ID NO: 469

>13715 BLOOD 021290.12 L08488 g186425 Human inositol polyphosphate 1-phosphatase mRNA, complete cds. 0

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30 SEQ ID NO: 470

>13823 BLOOD 335527.4 M37238 g190035 Human phospholipase C mRNA, complete cds.  
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SEQ ID NO: 471

>13831 BLOOD 232067.6 AL137411 g6807963 Human mRNA; cDNA DKFZp434M082  
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10 SEQ ID NO: 472

>13835 BLOOD GB\_H57941 gi|1010773|gb|H57941|H57941 yr12e06.s1 Soares fetal liver  
spleen 1NFLS Homo sapiens cDNA clone IMAGE:205090 3' similar to  
gb|M87905|HUMALND184 Human carcinoma cell-derived Alu RNA transcript, (rRNA);  
gb:J03934 NAD(P)H DEHYDROGENASE (HUMAN);contains Alu repetitive element;;

15 mRNA s

CATAAGCGAAACATGATTTTGGAAATTTTCAGGATGGGGAAAAGAAACAAAATAA  
ATTATGGGAGTTTTTTGTGTTTTTTTTTGAGACTGGCTCTCATTCTCTGTACAT  
GGGCTGGAGTGCAGTAGTGAATCTCAGCTTACTGCAACCTCTGCCTCAAGTGAT  
CCTCCACCTCAGACTCCAGAGTAGCTGGGGAGCACATAAAATTAAACATCTA  
20 AACTCTCATAATGGGTCATTTTGCCAGGGTTCTGCAGGCAAACCTTTTATTTGAAG  
TATTCTTTTTTGTGCTTTGTATTGAAAGTAAAGTTAGGGTAGCNAAGGGGGACTA

CTTCAACCCTGAGGAACACGGCCGNGGAAAACCTGCAGGCATATGGATGTTTGTCA  
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CTTCAACCCTGAGGAACACGGCCGNGGAAAACCTGCAGGCATATGGATGTTTGTCA  
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25 SEQ ID NO: 473

>13852 BLOOD 340851.6 K03195 g183302 Human (HepG2) glucose transporter gene  
mRNA, complete cds. 0

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AGCACGCCAGGGAGCAGGAGACCAAACGACGGGGGTTCGGAGTCAGAGTCGCAG  
30 TGGGAGTCCCCGGACCGGAGCACGAGCCTGAGCGGGAGAGCGCCGCTCGCACGC  
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35 ATCCTGCCACACGCTCACCACGCTCTGGTCCCTCTCAGTGGCCATCTTTTCTGT  
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GGTGTGTAAGTGTGGCCTGACCACAGGCTTCGTGCCCATGTATGTGGGTGAAGTGT  
40 CACCCACAGCCCTTCGTGGGGCCCTGGGCACCTGCACCAGCTGGGCATCGTCGT  
CGGCATCCTCATCGCCAGGTGTTTCGGCCTGGACTCCATCATGGGCAACAAGGAC  
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 25 CACCTCACTCCTGTTACTTACCTAAACAGATATAAATGGCTGGTTTTTAGAAACA  
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 GAAGTAAGTGGGGTTGCAACCACTGCAACGGCTTAGACTTCGACTCAGGATCCA  
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 30 ATATTTGATAGTTGGTGTTCAAAAAACACTAGTTTTGTGCCAGCCGTGATGCTC  
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 GCTTTTAACAATGGGTACCATAACAACCACTACTCCATTAACCTCCACCCACCTCCT  
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 35 CTGTCAAAGCTGCCCTGTGTTCAATTTCAATTTGGAATTGCCCCCTCTGGTTCCTCTG  
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 CCAGAGCACTTCATCTGCTCCTTCATCACAAGTCCAGTTTTCTGCCACTAGTCTGA  
 ATTTTCATGAGAAGATGCCGATTTGGTTCCTGTGGGTCCTCAGCACTATTCAGTAC  
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 40 AAGATATTTGTCAAAA

SEQ ID NO: 474

>13879 BLOOD 480881.12 X04790 g28820 Human mRNA for A-raf-1 oncogene. 0

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 GCCCCCTGAATGAGTTGCTAACCCCCCAGGGTCCCAGCCCCCGCACCCAGCACTG  
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 15 CTTGGCCGATGACAAGAAGAAAGTGAAGAACCTGGGGTACCGGGACTCAGGCTA  
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 CGGCAGACTGCCCAGGGGATGGACTACCTCCATGCCAAGAACATCATGCACCGA  
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 AATCAATGTTCTGCTCTGCCCCTGATGCTGCCTCAGGATCCCCCATTTCCCCACCCTG  
 35 GGAGATGAGGGGGTCCCCATGTGCTTTTCCAGTTCTTCTGGAATTGGGGGACCCC  
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 GATACTTCTAAATTTTGGGAGCTCCTCCATCTCCAATGGCTGGGATTTGTGGCAG  
 GGATTCCACTCAGAACCTCTCTGGAATTTGTGCCTGATGTGCCTTCCACTGGATTT  
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SEQ ID NO: 475

>14052 BLOOD 1328001.7 L19185 g440307 Human natural killer cell enhancing factor (NKEFB) mRNA, complete cds. 0

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 CTTGCGACACCGCCCTCCGGCCGACTCGCTCGTGGGGTGGTGGTGGCAGTGGCTG  
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 5 CGCCTTCAAAGAGGTGAAGCTGTGCGGACTACAAAGGGAAGTACGTGGTCCTCTTT  
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 10 ACGGCGTGCTGAAAACAGATGAGGGCATTGCCTACAGGGGCCTCTTTATCATCG  
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 GGATGACAGCAAGGAATATTTCTCCAAACACAATTAGGCTGGCTAACGGATAGT  
 15 GAGCTTGTGCCCCTGCCTAGGTGCCTGTGCTGGGTGTCCACCTGTGCCCCCACCT  
 GGGTGCCCTATGCTGACCCAGGAAAGGCCAGACCTGCCCCCTCCAAACTCCACAG  
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 20 GCTCCCCTGCAACCCCCTTCCTTCTTCAGGCTC

14107 BLOOD GB\_H72027 gi|1043843|gb|H72027|H72027 ys16e12.r1 Soares breast  
 2NbHBst Homo sapiens cDNA clone IMAGE:214990 5' similar to gb:X04412 GELSOEIN  
 25 PRECURSOR, PLASMA (HUMAN);, mRNA sequence [Homo sapiens]  
 GGATTNAATTTCCCAAACACTGACATTTTAGACAATTTTGCAAGGACTCTGAATT  
 TTTGCAGGGCTATTTTGGATA

SEQ ID NO: 477  
 30 >14178 BLOOD GB\_H75632 gi|1049954|gb|H75632|H75632 yu07b04.s1 Soares fetal liver  
 spleen 1NFLS Homo sapiens cDNA clone IMAGE:233071 3', mRNA sequence [Homo  
 sapiens]  
 TTATCCAATAATATATTTAATAGGTAAGANCTCATTCAATATACAAAAA  
 AAAAAACAAACCAGAAAAACAAAAACTAACTTTGATTAGGACATGTGCCCTTNG  
 35 TAGGGGCCTTNACANTTGAANGGTTTNTCGGTGGCACTTTGNGGTNGCATNTTT  
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 TCAGCCTTTGCCCCGGGAAGAGGGAAAGTGAANTTNTCTGTACTCNTTGCCAGTG  
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40 SEQ ID NO: 478  
 >14251 BLOOD 977429.8 AF113534 g6523822 Human HP1-BP74 protein mRNA,  
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5 TCCCTGGTCTTTTCCTCCTTCTGACTTTATACGTCTTTCTAGAGAGCTTATCTTCTA  
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NN  
45 NNN  
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SEQ ID NO: 479

5 >14308 BLOOD 407458.2 L07894 g292432 Human rod outer segment membrane protein 1  
(ROM1) mRNA, complete cds. 0  
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25 TGTCACCTTCCTACTGCAGGCTCTGGTGTCTCCTTGGCCTGCGGTACCTGCAAACA  
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35

SEQ ID NO: 480

>14315 BLOOD GB\_H84982 gi|1064703|gb|H84982|H84982 ys88a08.s1 Soares retina  
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P32314 HUMAN T-CELL LEUKEMIA VIRUS ENHANCER FACTOR ;contains MER22  
40 repetitive element ;, mRNA sequence [Homo sapiens]  
GCTCCCCAGTGGTCAGCGGAGACCCCAAGGAGGATCACAACCTACAGCAGTGCCA  
AGTCCTCCAACGCCCCGAGCACCTCGCCCAACAGCGACTCCATCTCCTCCTCCTC  
CTCCTCAGCCGACGACCACTATGAGTTTGGCACCAAGGGGAGCCAGGAGGGCAG  
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SEQ ID NO: 481

>14385 BLOOD 474480.3 Incyte Unique

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 15 CCGGGGATGTTGCCAGTGGCTGTGCACTGCTCTGTGCACGTGCGTGTGTGTGAG  
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 NNN  
 NNN  
 20 TGGAAGGCATTTGAGCTCGACCTCCGAAAAGCTACCCAGCAAAGAGCAGTCTGT  
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 GTTGAAAATGTTCCGGTCATGATTGCTTTTGAAACCAAAGGGGAAGGTACCGATAT  
 CATTGAGCTATTTAAAGTTGCCAGTTTGGGCTCCAGTAATGCTTTCTGGTGGGTA  
 35 AAATTCCACATTCAGGCCACGAGAGCATCTACAGTTTGTACTCTGGGGCTGCAGG  
 CATCCTGGGACGCTGTACGCAATTCAGTGGTCTAGTCCTTTATACCGACTCAGAT  
 TCCTTAAGCATGCAGAGTCACTCGAATGAAAAAACATACTCGACCTCTCCCTAAA  
 AAGATGTTGCAACCCAGTTTCTCTGAATTCCACCACAAAAAGAGACCCTGAATAA  
 GAAGAGCAGTTTTCTATGCATATAGAGGGTGTGTCAAAGGTGAGCTTTTGGGG  
 40 ACCGGGAAAAACAAAGTTGCCTGATTCCGCGCAGGTGCACAGGCCCCGGATGTA  
 CACCCGGAAAGGGGAGTGTGGCTGTAGAATCATCCATCCGTCTACAGCTAAAC  
 AATTTGCCAATAAAGTACATGTTTTTCCTAAGCCAAAAATAAATATAAATACGTT  
 AACAGAAAAATGATTTAGGATATAGCTTGAATGCTTAAATATGTGCACCTTTACA  
 AACCTCTCAGTGTATTCTTGGAGTTCTTGAAATGTTGTTTAAATATTTGTTGCCAG  
 45 TAATGTTCTTTCTTC

SEQ ID NO: 482

>14445 BLOOD GB\_H94163 gi|1101459|gb|H94163|H94163 yv14c07.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:242700 5' similar to contains Alu repetitive element;; mRNA sequence [Homo sapiens]

5 CCTGCTTCAGCCTCCCAAGTAGCTGGGATTACAGGCGCCCACCACCGCACCCGGC  
TAATTTTTTGTATTTTATAGTAGGGACGGGATTTCTCCGTGTTGGCCAGGCTTTTTGA  
ACTCCTGACCTTAGGTGATCTGCCTGCCTTGGCCTCCCAAAGTGCTGGGATTACA  
GGTATGAGCCACTGTGCCCATCCTCATGTCAATTTTTTAAAGTGATAAATCCTGAT  
ATTANACATTGCAATTAGTGTAGAATAAACGCTTGGCTTATAGAACTCTCTGTTC  
10 TTNAGTCTAAAG

SEQ ID NO: 483

>14450 BLOOD 347864.28 Incyte Unique

15 GCAGCCAGCTCTGAGCGGGAGGCCTGAGCGGGAAGCATTGGGCGTCCGAGCGAC  
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CACTTTGATTCCAGGCGTGAATTCCAAGAAGAACCAAATGTATTTTGACTGGGGT  
CCAGGGGAGATGCTGGTATGTGAAACCTCCTTCAACAAAAAAGAAAAATCAGAG  
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20 AGAATTGACGAAGAGTTGACTGGAAAATCCAGAAAATCTCAATTGGTTCGAGTG  
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GCAATTGCTGCTAAAGATCCAGGCAATGGCCGCGCAGTTTCAGCAGCCAGGTCTCCA  
ATTTTGTGAGCAATGGAGCTCATCTGGAAGCTGTGTGAGATTCTTTTTATTGAAGTG  
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25 CGAGGTGGACAGTTTGTCTGGCAGATGTTCTGGGCAGTGAGAATCCAAGCAAACA  
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ACCCAGACACTGACAGAGCTGGAGCTGAAGTGGCAGCACTGGCACGAGGAATGT  
30 GAGCGGTACCTCCAGGACAGCACATTCGCCACCAGCCCTCACCTGGAGTCTCTCT  
TGAAGATTATGCTGGGAGACGAAGCTGCCTTGTTAGAGCAGAAGGAACTTCTGA  
GTAATTGGTATCATTTCTAGTACTCGGCTCTTGTACTCCAATCCCACAGTAAA  
ACCCATTGATCTGCACTACTATGCCCAGTCCAGCCTGGACCTGTTTCTGGGAGGT  
GAGAGCAGCCCAGAACCCCTGGACAACATCTTGTTGGCAGCCTTTGAGTTTGACA  
35 TCCATCAAGTAATCAAAGAGTGCAGCATCGCCCTGAGCAACTGGTGGTTTTGTGGC  
CCACCTGACAGACCTGCTGGACCACTGCAAGCTCCTCCAGTCACACAACCTCTAT  
TTCGGTTCCAACATGAGAGAGTTCCTCCTGCTGGAGTACGCCTCGGGACTGTTTG  
CTCATCCCAGCCTGTGGCAGCTGGGGGTCTGATTACTTTGATTACTGCCCCGAGCT  
GGGCCGAGTCTCCCTGGAGCTGCACATTGAGCGGATACCTCTGAACACCGAGCA  
40 GAAAGCCCTGAAGGTGCTGCGGATCTGTGAGCAGCGGCAGATGACTGAACAAGT  
TCGCAGCATTTGTAAGATCTTAGCCATGAAAGCCGTCCGCAACAATCGCCTGGGT  
TCTGCCCTCTCTTGGAGCATCCGTGCTAAGGATGCCGCCTTTGCCACGCTCGTGTG  
AGACAGGTTCTCAGGGATTACTGTGAGCGAGGCTGCTTTTCTGATTGGATCTC  
ATTGACAACCTGGGGCCAGCCATGATGCTCAGTGACCGACTGACATTCTGGGA  
45 AAGTATCGCGAGTTCCACCGTATGTACGGGGAGAAGCGTTTTTGCCGACGCAGCTT  
CTCTCCTTCTGTCCTTGATGACGTCTCGGATTGCCCCCTCGGTCTTTCTGGATGACT  
CTGCTGACAGATGCCTTGCCCTTTTGGAACAGAAACAGGTGATTTTCTCAGCAG  
AACAGACTTATGAGTTGATGCGGTGTCTGGAGGACTTGACGTCAAGAAGACCTG  
TGCATGGAGAATCTGATACCGAGCAGCTCCAGGATGATGACATAGAGACCACCA

AGGTGGAAATGCTGAGACTTTCTCTGGCACGAAATCTTGCTCGGGCAATTATAAG  
AGAAGGCTCACTGGAAGGTTCTTGAGAACTGCTTCAATGTGGTATCTTTGTATGG  
CAATGTATATAGATTTTTTTTAAAGAATAAATGTTGTTTGCAAATGTAGGTTCTTA  
GAAGTCCACCCAGGGAATTTTTTATCTGTCTAGTCTGAACCTGAAGGTGGTAAGA  
5 GATTAATAAATGC

SEQ ID NO: 484

>14476 BLOOD GB\_H94944 gi|1102577|gb|H94944|H94944 yu57h03.r1 Soares fetal liver  
spleen 1NFLS Homo sapiens cDNA clone IMAGE:230261 5' similar to gb:M29893 RAS-  
10 RELATED PROTEIN RAL-A (HUMAN);, mRNA sequence [Homo sapiens]

NTCCTCATNCTCCTNACCCTCCTCCTTCNCNTTCCTTNTCCTCCTCCTCCTCCAGCN  
GCCCAGNTCNCCCCGCNACCCGTCAGACTCCTCCTTCGACCGCTCCCGGCGCGGG  
GCCTTCCAGGCGACAAGGACCGAGTACCCTCCGGCCGGAGCCACGCAGCCGNGC  
TTCCGGAGCCCTCGGGGNGCTGGACTGGCTCGCGGTGCAGATTCTTCTTAATCCT  
15 TTGGTGAAAACCTGAGACACAAAATGGCTGCAAATAAGCCCAAGGGTCAGAATTC  
TTTGGCTTTTACACAAAGTNCATCATGGTGGGCAGTGGTGGCGTGGGCAAGTCAG  
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SEQ ID NO: 485

>14509 BLOOD Hs.75929 gnl|UG|Hs#S417461 Human mRNA for OB-cadherin-2, complete  
cds /cds=(476,2557) /gb=D21255 /gi=575578 /ug=Hs.75929 /len=3867

ACAGGGCGCGGACGCTCCCCCTCAGCTGGCGGGCGGGCCGCGGAGAGATGCCGCGGG  
GGCGGCTCGCAGCCGCGCTGACTTGTGAATGGGACCGGGACTGGGGCCCGGGAC  
TGACACCGCAGCGCTTGCCCTGGGCGAGGGACTGGCGGCTCGGAGGTTGCGTCC  
25 ACCCTCAAGGGCCCCAGAAATCACTGTGTTTTTCAGCTCAGCGGCCCTGTGACATT  
CCTTCGTGTTGTCAATTTGTTGAGTGACCAATCAGATGGGTGGAGTGTGTTACAGA  
AATTGGCAGCAAGTATCCAATGGGTGAAGAAGAAGCTAACTGGGGACGTGGGCA  
GCCCTGACGTGATGAGCTCAACCAGCAGAGACATTCCATCCCAAGAGAGGTCTG  
CGTGACGCGTCCGGGAGGCCACCCTCAGCAAGACCACCGTACAGTTGGTGGAAAG  
30 GGGTGACAGCTGCATTCTCCTGTGCCTACCACGTAACCAAAAATGAAGGAGAAC  
TACTGTTTACAAGCCGCCCTGGTGTGCCTGGGCATGCTGTGCCACAGCCATGCCT  
TTGCCCCAGAGCGGCGGGGGCACCTGCGGCCCTCCTTCCATGGGCACCATGAGA  
AGGGCAAGGAGGGGCAGGTGCTACAGCGCTCCAAGCGTGGCTGGGTCTGGAACC  
AGTTCTTCGTGATAGAGGAGTACACCGGGCCTGACCCCGTGCTTGTGGGCAGGCT  
35 TCATTCAAGATATTGACTCTGGTGATGGGAACATTAAATACATTCTCTCAGGGGAA  
GGAGCTGGAACCATTTTTGTGATTGATGACAAATCAGGGAACATTCATGCCACCA  
AGACGTTGGATCGAGAAGAGAGAGCCCAGTACACGTTGATGGCTCAGGCGGTGG  
ACAGGGACACCAATCGGCCACTGGAGCCACCGTCGGAATTCATTGTCAAGGTCC  
AGGACATTAATGACAACCCTCCGGAGTTCCTGCACGAGACCTATCATGCCAACGT  
40 GCCTGAGAGGTCCAATGTGGGAACGTCAGTAATCCAGGTGACAGCTTCAGATGC  
AGATGACCCCACTTATGGAAATAGCGCCAAGTTAGTGTACAGTATCCTCGAAGG  
ACAACCCTATTTTTTCGGTGGAAAGCACAGACAGGTATCATCAGAACAGCCCTACCC  
AACATGGACAGGGAGGCCAAGGAGGAGTACCACGTGGTGATCCAGGCCAAGGA  
CATGGGTGGACATATGGGCGGACTCTCAGGGACAACCAAGTGACGATCACACT  
45 GACCGATGTCAATGACAACCACCAAAAGTTTCCGCAGAGCGTATACCAGATATCT  
GTGTCAGAAGCAGCCGTCCCTGGGGAGGAAGTAGGAAGAGTGAAAGCTAAAGA  
TCCAGACATTGGAGAAAATGGCTTAGTCACATACAATATTGTTGATGGAGATGGT  
ATGGAATCGTTTGAAATCACACGGACTATGAAACACAGGAGGGGGTGATAAAG  
CTGAAAAAGCCTGTAGATTTTGAAACCAAAAGAGCCTATAGCTTGAAGGTAGAG

GCAGCCAACGTGCACATCGACCCGAAGTTTATCAGCAATGGCCCTTTCAAGGAC  
 ACTGTGACCGTCAAGATCGCAGTAGAAGATGCTGATGAGCCCCCTATGTTCTTGG  
 CCCCAGTTACATCCACGAAGTCCAAGAAAATGCAGCTGCTGGCACCGTGGTTG  
 GGAGAGTGCATGCCAAAGACCCTGATGCTGCCAACAGCCCGATAAGGTATTCCA  
 5 TCGATCGTCACTGACCTCGACAGATTTTTCCTACTATTAATCCAGAGGATGGTTTT  
 ATTAAAACTACAAAACCTCTGGATAGAGAGGAAACAGCCTGGCTCAACATCACT  
 GTCTTTGCAGCAGAAATCCACAATCGGCATCAGGAAGCCAAAGTCCCAGTGGCC  
 ATTAGGGTCCCTTGATGTCAACGATAATGCTCCCAAGTTTGCTGCCCTTATGAAG  
 GTTTCATCTGTGAGAGTGATCAGACCAAGCCACTTTCCAACCAGCCAATTGTTAC  
 10 AATTAGTGCAGATGACAAGGATGACACGGCCAATGGACCAAGATTTATCTTCAG  
 CCTACCCCTGAAATCATTACAAATCCAAATTTTACAGTCAGAGACAACCGAGAT  
 AACACAGCAGGCGTGTACGCCCGGCGTGGAGGGTTTCAAGTCGGCAGAAGCAGGAC  
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 CCAACACCCTCACCATCAAAGTCTGCGGGTGCAGACGTGAACGGGGGCACTGCTCTC  
 15 CTGCAACGCAGAGGCCTACATTCTGAACGCCGGCCTGAGCACAGGCGCCCTGAT  
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 CCCTCTCCCAGGGAAGACATGAGATTGCTTTATCTGGGCTTCCAGCTGATGCTAT  
 TTTCTATGTTAAAGTAAACAGAAGATTTTGTCTTCTGGGGGTCTTTATAAACTT  
 CCTTTCCTCTATGTGGTGGCTACAGAGAGTCCAACCACACTTACGTCATTGTAGT  
 20 ATGTTTGTGACCCTGAGAAGGCCAAAAGAAAGAACCACTCATTGTCTTTGAGGA  
 AGAAGATGTCCGTGAGAACATCATTACTTATGATGATGAAGGGGGTGGGGAAGA  
 AGACACAGAAGCCTTTGATATTGCCACCCTCCAGAATCCTGATGGTATCAATGGA  
 TTTATCCCGCGCAAAGACATCAAACCTGAGTATCAGTACATGCCTAGACCTGGGC  
 TCCGGCCAGCGCCCAACAGCGTGGATGTCGATGACTTCATCAACACGAGAATAC  
 25 AGGAGGCAGACAATGACCCACGGCTCCTCCTTATGACTCCATTCAAATCTACGG  
 TTATGAAGGCAGGGGCTCAGTGGCCGGGTCCCTGAGCTCCCTAGAGTCGGCCAC  
 CACAGATTCAGACTTGGACTATGATTATCTACAGAACTGGGGACCTCGTTTTAAG  
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 AACGATACAAATTTGGCCTTAAGAACTGTGTCTGGCGTTCTCAAGAATCTAGAAG  
 30 ATGTGTAAACAGGTATTTTTTTTAAATCAAGGAAAGGCTCATTAAAACAGGCAAA  
 GTTTTACAGAGAGGATACATTTAATAAACTGCGAGGACATCAAAGTGGTAAAT  
 ACTGTGAAATACCTTTTCTCACAAAAGGCCAAATATTGAAGTTGTTTATCAACTT  
 CGCTAGAAAAAACAACACTTGGCATACAAAATATTTAAGTGAAGGAGAAGTCT  
 AACGCTGAACTGACAATGAAGGGAAATTGTTTATGTGTTATGAACATCCAAGTCT  
 35 TTCTTCTTTTTTAAGTTGTCAAAGAAGCTTCCACAAAATTAGAAAGGACAACAGT  
 TCTGAGCTGTAATTTTCGCTTAACTCTGGACACTCTATATGTAGTGCATTTTTAA  
 ACTTGAAATATATAATATTCAGCCAGCTTAAACCCATACAATGTATGTACAATAC  
 AATGTACAATTATGTCTCTTGAGCATCAATCTTGTTACTGCTGATTCTTGTAATC  
 TTTTGTCTTCTACTTTCATCTTAACTAATACGTGCCAGATATAACTGTCTTGTTTC  
 40 AGTGAGAGACGCCCTATTTCTATGTCATTTTTTAATGTATCTATTTGTACAATTTA  
 AAGTTCTTATTTTAGTATACATATAAATATCAGTATTCTGACATGTAAGAAAATG  
 TTACGGCATCACACTTATATTTTATGAACATTGTACTGTTGCTTTAATATGAGCTT  
 CAATATAAGAAGCAATCTTTGAAATAAAAAAAGATTTTTTTTT

45 SEQ ID NO: 486

>14510 BLOOD Hs.260473 gnl|UG|Hs#S133063 yf99h12.s1 Homo sapiens cDNA, 3' end

/clone=IMAGE:30797 /clone\_end=3' /gb=R42293 /gi=817160 /ug=Hs.260473 /len=471

TTTTTTTTTTNTTTTCGCTTTATTTTNATTTATTTATTTATTTATTTATTTATNT  
 ATATNTGAGACAGAGTCTTAACACTGTNGCCAGGNTGGTAGTGCAATGGCGTG



ATCTCAGCTCACTGCAAGCTCTGCCNCTTGGATTTCATGCCTTTCTCCNGCCTCAGC  
CTCCCGAGTAGCTGGGACTACAGGGGGCCACCACCACGCCAGCTAATTTTTTGT  
ACTTTTAGTAGAGACAGGGTTTTACCNTGTTAGCCAGGGTAGTCTCGATCTCCTG  
ACCTCGTGAGCCGCCTGCCTNNGCCTCCCAAAGTGCTGGGATTACAGGCATGAGC  
5 CACCGTGCCTGGGCCACGTCCCTATTTTAGNAAATGAGAGGAGTGACTIONGACATA  
GGGAAAAATGCCACTTTTAGGCAATTTCAAAGTGGGAAAAACTTTTTTTATATNA  
AAATTTATNCCAATTNCCACCCTTTGG

SEQ ID NO: 487

10 >14521 BLOOD 441403.1 L34789 g514934 Human (clone L6) E-cadherin (CDH1) gene,  
exon 16. 0

AGCTGCTGTGCCAGCCTCCATGTTTTAATATCAACTCTCACTCCTGAATTCAGTT  
GCTTTGCCCAAGATAGGAGTTCTCTGATGCAGAAATTATTGGGCTCTTTTAGGGT  
AAGAAGTTTGTGTCTTTGTCTGGCCACATCTTGACTAGGTATTGTCTACTCTGAAG  
15 ACCTTTAATGGCTTCCCTCTTTCATCTCCTGAGTATGTAACCTTGCAATGGGCAGCT  
ATCCAGTGACTTGTCTGAGTAAGTGTGTTTCAATGTTTATTTAGCTCTGAAGC  
AAGAGTGATATACTCCAGGACTTAGAATAGTGCCTAAAGTGCTGCAGCCAAAGA  
CAGAGCGGAAGTATGAAAAGTGGGCTTGGAGATGGCAGGAGAGCTTGTCATTGA  
GCCTGGCAATTTAGCAAAGTATGCTGAGGATGATTGAGGTGGGTCTACCTCATC  
20 TCTGAAAATTCTGGAAGGAATGGAGGAGTCTCAACATGTGTTTCTGACACAAGAT  
CCGTGGTTTTGTACTCAAAGCCCAGAATCCCCAAGTGCCTGCTTTTGATGATGTCT  
ACAGAAAATGCTGGCTGAGCTGAACACATTTGCCCAATTCAGGTGTGCACAGA  
AAACCGGAGAATATTCAAATTTGCAAATTTTTTTCTTAGGAGCAAGAAGAAAATGT  
GGGCCCTAAAGGGGGTGTAGTTGAGGGGTAGGGGGTAGTGAGGATCTTGATTTGGA  
25 TCTCTTTTTATTTAAATGTGAATTTCAACTTTTGACAATCAAAGAAAAGACTTTTG  
TTGAAATAGCTTTACTGTTTCTCAAGTGTTTTGGAGAAAAAATCAACCCTGCAA  
TCACTTTTTGGAATTGTCTTGATTTTTCGGCAGTTCAAGCTATATCGAATATAGTT  
CTGTGTAGAGAATGTCACTGTAGTTTTGAGTGTATACATGTGTGGGTGCTGATAA  
TTGTGTATTTTCTTTGGGGGTGGAAAAGGAAAACAATTCAAGCTGAGAAAAGTAT  
30 TCTCAAAGATGCATTTTTATAAATTTTATTAAACAATTTTGTT

SEQ ID NO: 488

>14531 BLOOD 903254.4 U44103 g1174146 Human small GTP binding protein Rab9  
mRNA, complete cds. 0

35 GTTGTTCCTCCGACGCTGGACGGGAGCAGCTGGAGCGGGAGCCTGGCTGCGCT  
ACCGCGGCTGCCTCCTGCTGTGCAGGTCCCCGACCCTCTCTGTCTCATTGCGC  
CCAGACGGGGCCGGCCAGAGCTCCCGGGTCTGCTTTTCGTGTGGCCGCGAGACACT  
CTTGCACTCCTGTAATGAGCCTGGCACTGTGATGAAACACTTTTCCCGTGTCTGTTT  
GAGTGCATCTTCTCAACAACCTAGGAGGGTTCTTGAAGCTTTTGAGATTAACAA  
40 TGGCAGGAAAATCATCACTTTTTAAAGTAATTCTCCTTGGAGATGGTGGAGTTGG  
GAAGAGTTCATTATGAACAGATATGTAACATAAAGTTTGATACCCAGCTCTTC  
CATACAATAGGTGTGGAATTTTTAAATAAAGATTTGGAAGTGGATGGACATTTTG  
TTACCATGCAGATTTGGGACACGGCAGGTCAGGAGCGATTCCGAAGCCTGAGGA  
CACCATTTTACAGAGGTTCTGACTGCTGCCTGCTTACTTTTAGTGTCTGATGATTCA  
45 CAAAGCTTCCAGAACTTAAGTAAGTGAAGAAAGAATTCATATATTATGCAGAT  
GTGAAAGAGCCTGAGAGCTTTCCTTTTGTGATTCTGGGTAACAAGATTGACATAA  
GCGAACGGCAGGTGTCTACAGAAGAAGCCCAAGCTTGGTGCAGGGACAACGGCG  
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TGAGGAAGCGGTTCTGAAGAGTTCTTGCTACCGAGGATAGGTCAGATCATTGATT

SEQ ID NO: 489  
>14654 BLOOD 237623.3 L15203 g402482 Human secretory protein (P1.B) mRNA,  
complete cds. 0

30 SEQ ID NO: 490  
 >14709 BLOOD 422524.4 L31409 g493131 Human creatine transporter mRNA, complete  
 cds. 0

414

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 TGATGCCAGTGGCCCCACTCTGGGCTGCCCTGTTCTTCTTCATGCTGTTGCTGCTT  
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 10 CTTCCAGCTGTTTGACTACTACTCGGCCAGCGGCACCACCCTGCTCTGGCAGGCC  
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 ACATTGCCTGTATGATCGGGTACCGACCTTGCCCCTGGATGAAATGGTGTGGTC  
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 15 GCTGGGCCTTCGCCCTGTCTCCATGCTGTGCGTGCCGCTGCACCTCCTGGGCTGC  
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 20 CCTGCTTCAGCCCCACCGCACCCCTCCAGGGGGCCTGCCTTTCCTGACACTTTTG  
 GGGTCTGCCTGGGGGAGGAGGGGAGAAAGCACCATGAGTGCTCACTAAAACAAC  
 TTTTTCATTTTAAATAAAACGCCAAAAATATCACAACCCACCAAAAATAGATGC  
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 25 TCTCCAGGCTCTGCTCTGCAGCACACCCGTGGGTGACCCCTCACCCAGAAAGCAG  
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 TCAGCTGGGCTATACCCCTCTCCCCATCCCTGTTATAGAAGCTTAGAGAGCCAGC  
 CAGCAATGGAACCTTCTGGTTCCTGCGCCAATCGCCACCAGTATCAATTGTGTGA  
 30 GCTTGGGTGCGAGTGCACGCGTGCGTGAGTACGGAGAGTATATATAGATCTCTAT  
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 35 TTCATAGGCAAAAACAAAAGCTTCGAGCTGTTGCGTGTGTGAGTCTGTTGTGTGGA  
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 CCTCGGGGCTGTCCCCACGCTGTCCCTTTGCCACAAGTCTGTGGGGCAAGAGGCT  
 GCAATATTCCGTCTTGGGTGTCTGGGCTGCTAACCTGGCCTGCTCAGGCTTCCA  
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 40 GGCTTAAGGTGGATGCACCTCCCGCACCTCCAGTCTTCTGTGTAGCAGCTTTAAC  
 CCACGTTTGTCTGTACGTCCAGTCCCGAGACGGCTGAGTGACCCCAAGAAAGGC  
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SEQ ID NO: 491

>14753 BLOOD Hs.125359 gnl|UG|Hs#S1973371 Homo sapiens mRNA; cDNA  
 DKFZp761B15121 (from clone DKFZp761B15121); complete cds /cds=(56,541)  
 /gb=AL161958 /gi=7328010 /ug=Hs.125359 /len=1791

GGAGGCTGCAGCAGCGGAAGACCCAGTCCAGATCCAGGACTGAGATCCCAGAA  
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 AGGGCAGAAGGTGACCAGCCTAACGGCCTGCCTAGTGGACCAGAGCCTTCGTCT  
 GGACTGCCGCCATGAGAATACCAGCAGTTCACCCATCCAGTACGAGTTCAGCCTG  
 5 ACCCGTGAGACAAAGAAGCACGTGCTCTTTGGCACTGTGGGGGTGCCTGAGCAC  
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 10 TCCTGCTCTCCCTCTCCCTCCTCCAGGCCACGGATTTTCATGTCCCTGTGACTGGTG  
 GGGCCCATGGAGGAGACAGGAAGCCTCAAGTTCCAGTGCAGAGATCCTACTTCT  
 CTGAGTCAGCTGACCCCCCTCCCCGCAATCCCTCAAACCTTGAGGAGAAGTGGGG  
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 CGCGGCCACCTCACCTCTCCGCACACCTCTGGCTGTCTTTTTGTACTTTTTGTTC  
 15 CAGAGCTGCTTCTGTCTGGTTTATTTAGGTTTTATCCTTCCTTTTCTTTGAGAGTTC  
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 AGCACGGACATGGTCTGTCTTGACAGCACTCCTCGGCAGGCATGGCTGGTGCCTG  
 20 AAGACCCAGATGTGAGGGCACCACCAAGAATTTGTGGCCTACCTTGTGAGGGA  
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 AAGATGCAGGTTTGACCAGGAAAGCAGCGCTAGTGGAGGGTTGGAGAAGGAGG  
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 25 GCTGCCCCCTCCCTGCCTCCACCCACAGTGGAGAGGGCTACAAAGGAGGACAAGA  
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 AAGGGAGGCACTTCCTCCCCCTCGCCCATCAGTGCCAGCCCCTGCTGGCTGGTGCC  
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 30 GGGGCCTGAGGCAAGCCATGGAGTGAGACCCAGGAGCCGGACACTTCTCAGGAA  
 ATGGCTTTTCCCAACCCCCAGCCCCACCCGGTGGTTCTTCCTGTTCTGTGACTGT  
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35 SEQ ID NO: 492

>14789 BLOOD 221059.6 M16768 g339399 Human T-cell receptor gamma chain VJCI-CII-CIII region mRNA, complete cds. 0

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 40 CAGCCCCAGCAACCAACAACACCAGCCTGACAACTTGTGGGGTGGCCGCCTTG  
 TGGTCTGAGGTGGCCGTCTAAACTATGTGGTCTGATCTCAGGCTGCAGACCTTGC  
 AGGACTGTCTTCACACAGACTGGAAGTGCTAACAGGTGGTGAGGACACCGCTTT  
 ACAACGATGCAGGGGGGCCCCATGTCACCCTCACCCATGGGAAGTTTGACTTGGTG  
 GACTCAGCCAAGCCACAGAGGTCTAACGCTTCTCTGCGGTGATTTAGGCTGCC  
 45 TGGCAGAAAGCACAGTGCCTGCAGACATGCTGTCACTGCTCCACACATCAACGCT  
 GGCAGTCCTTGGGGCTCTGTGTGTATATGGTGCAGGTCACCTAGAGCAACCTCAA  
 ATTTCCAGTACTAAAACGCTGTCAAAAACAGCCCGCCTGGAATGTGTGGTATCTG  
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ATTCCGTCAGGCAAATTTGAGGTGGATAGGATACCTGAAACGTCTACTACCACTC  
 TCACCATTACAAATGTAGAGAAACAGGACATAGCTACCTACTACTGTGCCTTGTG  
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 GTTGTACAGATAAACAACCTTGATGCAGATGTTTCCCCCAAGCCCACTATTTTTCT  
 5 TCCTTCAATTGCTGAAACAAAGCTCCAGAAGGCTGGAACATACCTTTGTCTTCTT  
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 10 CCAATAAAGACAGATGTCATCACAATGGATCCCAAAGACAATTGTTCAAAAGAT  
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 15 GTTGGGCTTTCTTTCTGGGTTTGGGCCATTTTCAGTTCTCATGTGTGTACTATTCTAT  
 CATTATTGTATAACGGTTTTTCAAACCAGTGGGCACACAGAGAACCTCACTCTGTA  
 ATAACAATGAGGAATAGCCACGGCGATCTCCAGCACCAATCTCTCCATGTTTTCC  
 ACAGCTCCTCCAGCCAACCCAAATAGCGCCTGCTATAGTGTAGACATCCTGCGGC  
 TTCTAGCCTTGTCCCTCTCTTAGTGTCTTTAATCAGATAACTGCCTGGAAGCCTT  
 20 TCATTTTACACGCCCTGAAGCAGTCTTCTTTGCTAGTTGAATTATGTGGTGTGTTT  
 TTCCGTAATAAGCAAAAATAAATTTAAAAAAATGAAAAGTT

SEQ ID NO: 493  
 14796 BLOOD 1008401.6 M17783 g183063 Human glia-derived nexin (GDN) mRNA, 5'

25 end. 0  
 GGACGGCAGGACCAAGAAGCAGCTCGCCATGGTGGGAAGGAACCATGAACTGGC  
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 ATCCTCTGTCTCTCGAGGAAGTGGCTCCAACACGGGGATCCAGGTTTTCAATCA  
 GATTGTGAAGTCGAGGCCTCATGACAACATCGTGATCTCTCCCCATGGGATTGCG  
 30 TCGGTCTGGGGACGCTTCAGCTGGGGGCGGACGGCAGGACCAAGAAGCAGCTC  
 GCCATGGTGATGAGATACGGCGTAAATGGAGTTGGTAAAATATTAAAGAAGATC  
 AACAAGGCCATCGTCTCCAAGAAGAATAAAGACATTGTGACAGTGGCTAACGCC  
 GTGTTTGTAAAGAATGCCTCTGAAATTGAAGTGCCTTTTGTTACAAGGAACAAAG  
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 35 TGATTCCATCAATGCATGGGTAAAAACGAAACCAGGGATATGATTGACAATCT  
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 GTGTATTTCAAGGGTCTGTGGAAATCACGGTTCCAACCCGAGAACACAAAGAAA  
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 40 CATTGAACTGCCCTACCACGGGGAAAGCATCAGCATGCTGATTGCACTGCCGACT  
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 TCACAGCTGTAGCACAACAGATTTGAAGGAGCCGCTGAAAGTTCTTGGCATTAC  
 TGACATGTTTGATTCATCAAAGGCAAATTTTGCAAAAATAACAAGGTCAGAAAA  
 45 CCTCCATGTTTCTCATATCTTGCAAAAAGCAAAAATTGAAGTCAGTGAAGATGGA  
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SEQ ID NO: 494

>14808 BLOOD 336093.2 X12830.1 g33845 Human mRNA for interleukin-6 (IL-6)  
receptor. 0

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ACCCTGGGACGGCCCCAGAGACGCTCCAGCGCGAGTTCCTCAAATGTTTTCTGCG  
TTGCCAGGACCGTCCGCCGCTCTGAGTCATGTGCGAGTGGGAAGTCGCACTGACA  
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10 AGCCCGCCTGCCCGCCACCGCCCCGCCCCGCCCCCTGCCACCCCTGCCGCCCGGT  
TCCCATTAGCCTGTCCGCCTCTGCGGGACCATGGAGTGGTAGCCGAGGAGGAAG  
CATGCTGGCCGTCGGCTGCGCGCTGCTGGCTGCCCTGCTGGCCGCGCCGGGAGCG  
GCGCTGGCCCCAAGGCGCTGCCCTGCGCAGGAGGTGGCGAGAGGCGTGCTGACC  
AGTCTGCCAGGAGACAGCGTGACTCTGACCTGCCCGGGGGTAGAGCCGGAAGAC  
15 AATGCCACTGTTCACTGGGTGCTCAGGAAGCCGGCTGCAGGCTCCCACCCCAGCA  
GATGGGCTGGCATGGGAAGGAGGCTGCTGCTGAGGTGCGGTGCAGCTCCACGACT  
CTGGAAACTATTCATGCTACCGGGCCGGCCGCCAGCTGGGACTGTGCACTTGCT  
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AGCAATGTTGTTTGTGAGTGGGGTCTCGGAGCACCCCATCCCTGACGACAAAGG  
20 CTGTGCTCTTGGTGAGGAAGTTTCAGAACAGTCCGGCCGAAGACTTCCAGGAGCC  
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TGCCAACATCACAGTCACTGCCGTGGGAGAGAAACCCCGCTGGCTCAGTGTCACC  
25 TGGCAAGACCCCCACTCCTGGAATCATCTTTCTACAGACTACGGTTTGTAGCTCA  
GATATCGGGCTGAACGGTCAAAGACATTCACAACATGGATGGTCAAGGACCTCC  
AGCATCACTGTGTCATCCACGACGCCTGGAGCGGCCTGAGGCACGTGGTGCAGC  
TTCGTGCCCAGGAGGAGTTTCGGGCAAGGCGAGTGGAGCGAGTGGAGCCCGGAGG  
CCATGGGCACGCCTTGGACAGAATCCAGGAGTCCTCCAGCTGAGAACGAGGTGT  
30 CCACCCCCATGCAGGCACCTTACTACTAATAAAGACGATGATAATATTCTTTCAG  
AGATTCTGCAAATGCGACAAGCCTCCAGTGCAAGATTCTTCTTCAGTACCACTG  
CCCACATTCTGTTGCTGGAGGGAGCCTGGCCTTCGGAACGCTCCTCTGCATTG  
CCATTGTTCTGAGGTTCAAGAAGACGTGGAAGCTGCGGGCTCTGAAGGAAGGCA  
AGACAAGCATGCATCCGCCGTACTCTTTGGGGCAGCTGGTCCCAGGAGAGGCCTC  
35 GACCCACCCAGTGCTTGTTCCTCTCATCTCCCCACCGGTGTCCCCCAGCAGCCTG  
GGGTCTGACAATACCTCGAGCCACAACCGACCAGATGCCAGGGACCCACGGAGC  
CCTTATGACATCAGCAATACAGACTACTTCTTCCCCAGATAGCTGGCTGGGTGGC  
ACCAGCAGCCTGGACCCTGTGGATGACAAAACACAAACGGGGCTCAGCAAAAGAT  
GCTTCTCACTGCCATGCCAGCTTATCTCAGGGGTGTGCGGCCTTTGGCTTCACGG  
40 AAGAGCCTTGCGGAAGGTTCTACGCCAGGGGAAAATCAGCCTGCTCCAGCTGTT  
CAGCTGGTTGAGGTTTCAAACCTCCCTTTCCAAATGCCAGCTTAAAGGGGTTAG  
AGTGAACCTTGGGCCACTGTGAAGAGAACCATATCAAGACTCTTTGGACACTCAC  
ACGGACACTCAAAAGCTGGGCAGGTTGGTGGGGGCCTCGGTGTGGAGAAGCGGC  
TGGCAGCCCACCCCTCAACACCTCTGCACAAGCTGCACCCTCAGGCAGGTGGGAT  
45 GGATTTCCAGCCAAAGCCTCCTCCAGCCGCCATGCTCCTGGCCCACTGCATCGTT  
TCATCTTCCAACTCAAACCTCTTAAAACCCAAGTGCTTAGCAAATTCTGTTTTTCT  
AGGCCTGGGGACGGCTTTTACTTAAACCGCCAAGGCTGGGGGAAGAAGCTCTCT  
CCTCCCTTTCTTCCCTACAGTTGAAAAACAGCTGAGGGTGAGTGGGTGAATAATA  
CAGTATCTCAGGGCCTGGTCGTTTTCAACAGAATTATAATTAGTTCCTCATTAGC



ATTTTGCTAAATGTGAATGATGATCCTAGGCATTTGCTGAATACAGAGGCAACTG  
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 GCCTCTGAAAACCAATGTTCTCTCTTCTCCACCTCCCACAAAGGAGAGCTAGCAG  
 5 CAGGGAGGGCTTCTGCCATTTCTGAGATCAAAACGGTTTTACTGCAGCTTTGTTT  
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 AAAAGAAAAATGAGCCTGGCAAGAATGCGTTTAAACTTGGTTTTTAAAAAACTG  
 CTGACTGTTTTCTCTTGAGAGGGTGGAAATATCCAATATTCGCTGTGTGCAGCATAG  
 AAGTAACTTACTTAGGTGTGGGGGAAGCACCATAACTTTGTTTAGCCCAAACCA  
 10 AGTCAAGTGAAAAAGGAGGAAGAGAAAAAATATTTTCCTGCCAGGCATGGTGGC  
 CCACGCACTTCGGGAGGTGCGAGGCAGGA

SEQ ID NO: 495

ye38d08.r1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:120015 5' similar  
 15 to SP:NINS\_DROME P10677 NINAC SHORT PROTEIN;; mRNA sequence

gi|728449|gb|T94961.1|T94961[728449]

TGATTCAGGAAATTGGATACAACCTGTGTAGCAGACATCTGGTCCCTGGGAATAAC  
 TGCCATAGAAATGGCTGAAGGAAAGCCCCCTTATGCTGATATCCATCCAATGAG  
 GGCAATCTTCATGATTCCTACAAATCCTCCTCCACATTCCGAAAACAGAGCTA  
 20 TGGTCAGATAACTTTACAGATTTTGTGAAACAGTGTCTTGTAAGAGCCCTGAGC  
 AGAGGGCCACAGCCACTTCAGGTTCTGCGAGGCACCCATTTGTTTCAGGGAGTTGC

CAAAGGGAGTGTTCATTTATTGCGAGGATTTAATTTAATGGAAGGCCATGGGAT

GTGGAAATTGNAAACGCCAGGGGNTTCCCAGCAGCGGGGAAGTNGGACCGGGG

NCGTTGAAGGAAAATTTGAGGAAGNGGGTTGAATTTGGGT TTNTTGGT

SEQ ID NO: 496

>14817 BLOOD 348110.1 X03795 g35365 Human mRNA for platelet derived growth factor  
 A-chain (PDGF-A). 0

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 30 ACCGGCCGGGTCGCTCCTGAAGCCAGCGCGGGGAGCGAGCGCGGCGGGCCAG  
 CACCGGGAACGCACCGAGGAAGAAGCCCAGCCCCCGCCCTCCGCCCTTCCGTC  
 CCCACCCCCATCCCGGCGGCCCAGGAGGCTCCCCGCGCTGGCGCGCACTCCCTGT  
 TTCTCCTCCTCCTGGCTGGCGCTGCCTGCCTCTCCGCACTCACTGCTCGCAGCCGG  
 GCGCGCTCCGCCAGCTCCGTGCTCCCCGCGCCACCCTCCTCCGGGCGCGCTCCC

35 TAAGGGATGGTACTGAATTTGCGCGCCACAGGAGACCGGCTGGAGCGCCCGCCC  
 CGCGGCCTCGCCTCTCCTCCGAGCAGCCAGCGCCTCGGGACGCGATGAGGACCTT  
 GGCTTGCTGCTGCTCCTCGGCTGCGGATACCTCGCCCATGTTCTGGCCGAGGAA  
 GCCGAGATCCCCCGCGAGGTGATCGAGAGGCTGGCCCGCAGTCAGATCCACAGC  
 ATCCGGGACCTCCAGCGACTCCTGGAGATAGACTCCGTAGGGAGTGAGGATTCTT

40 TGGACACCAGCCTGAGAGCTCACGGGGTCCATGCCACTAAGCATGTGCCCGAGA  
 AGCGGCCCTGCCATTCCGAGGAAGAGAAGCATCGAGGAAGCTGTCCCCGCTG  
 TCTGCAAGACCAGGACGGTCATTTACGAGATTCTCGGAGTCAGGTCGACCCAC  
 GTCCGCCAACTTCCTGATCTGGCCCCCGTGCGTGGAGGTGAAACGCTGCACCGGC  
 TGCTGCAACACGAGCAGTGTCAAGTGCCAGCCCTCCCGCGTCCACCACCGCAGC

45 GTCAAGGTGGCCAAGGTGGAATACGTCAGGAAGAAGCCAAAATTAAGAAGT  
 CCAGGTGAGGTAGAGGAGCATTTGGAGTGCGCCTGCGCGACCACAAGCCTGAA  
 TCCGATTATCGGGAAGAGGACACGGGAAGGCCTAGGGAGTCAGGTAAAAAAC  
 GGAAAAGAAAAAGGTTAAAACCCACCTAAAGCAGCCAACCAGATGTGAGGTGA  
 GGATGAGCCGCAGCCCTTTCCTGGGACATGGATGTACATGGCGTGTTACATTCCT

GAACCTACTATGTACGGTGCTTTATTGCCAGTGTGCGGTCTTTGTTCTCCTCCGTG  
AAAAACTGTGTCCGAGAACACTCGGGAGAACAAAGAGACAGTGCACATTTGTTT  
AATGTGACATCAAAGCAAGTATTGTAGCACTCGGTGAAGCAGTAAGAAGCTTCC  
TTGTCNNNACNAAACCACAAATGAC  
NAAAACNAAACGGACTCACAAAATATCTAAACTCGATGAGATGGAGGGTCCGCC  
CCGTGGGATGGAAGTGCAGAGGTCTCAGCAGACTGGATTTCTGTCCGGGTGGTC  
ACAGGTGCTTTTTTGGCCGAGGATGCAGAGCCTGCTTTGGGAACGACTCCAGAGGG  
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10 SEQ ID NO: 497

>14833 BLOOD 346440.21 X55005 g29878 Human mRNA for thyroid hormone receptor alpha 1 THRA1, (c-erbA-1 gene). 0

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GAGCCAGAGCGGCCCGCCGCTTCTGCCGGAGGAGCCGCGGGGGCCGCCACACTCGC  
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GCCCGGGCCCCACCGGCCCCCCCATGGACGCCCCCAGCACGGGGGGCGCTGAGACC  
CCCGCGTCGCTGCCAGCCCGGTCCGGCGCGCCACGCCGAGGGATCTCTGGACA  
GGACAAGACTCCGAAGCTACTCCCCAGCACACAGCCCGGGACCCACAAACCCA  
GCTTGCCCCCAGCCCTCCACCTGCCACTCCCTGGCCCCCTCCACCGCCCGCCCCC  
CTTGGGGGCGCAGGGGCATGGTGTGAAAGGCCAAGTGCTGAGGCGGGTATCATGG  
GTGCTGTGCCCTAGGGCCTGGGTGGCAGGGGGTGGGTGGCCTGTGGGTGTGCCG  
GGGGGGCCAGTGTGCCACCCGAGTCTCTTGGGGGTGCTGGAGGGGCATCCTGGAT

GGAATTGAAGTGAATGGAACAGAAGCCAAGCAAGGTGGAGTGTGGGTCAGACC

CAGAGGAGAACAGTGGCAGGTCAACAGATGGAAAGCGAAAAAGAAAGAACGGC

CAATGTTCCCTGAAACCAGCATGTCAGGGTATATCCCTAGTTACCTGGACAAAG

ACGAGCAGTGTGTCGTGTGTGGGGACAAGGCAACTGGTTATCACTACCGCTGTAT

CACTTGTGAGGGCTGCAAGGGCTTCTTTCGCCGCACAATCCAGAAGAACCTCCAT

CCCACCTATTCCTGCAAATATGACAGCTGCTGTGTCATTGACAAGATCACCCGCA

ATCAGTGCCAGCTGTGCCGCTTCAAGAAGTGCATCGCCGTGGGGCATGGCCATGG

ACTTGGTTCTAGATGACTCGAAGCGGGTGGCCAAGCGTAAGCTGATTGAGCAGA

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GAGCCCCTCCTGAAGAGTGGGATCTGATCCACATTGCCACAGAGGCCCATCGC

AGCACCAATGCCCAGGGGCAGCCATTGGAAACAGAGGCGGAAATTCCTGCCCCGA

TGACATTGGCCAGTCACCCATTGTCTCCATGCCGGACGGAGACAAGGTGGACCTG

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GACCCCTGAGAGCGACACCCTGACGCTGAGTGGGGAGATGGCTGTCAAGCGGGGAG

CAGCTCAAGAAATGGCGGGCCTGGGCGTAGTCTCCGACGCCATCTTTGAACTGGGGCA

AGTCACTGTGTGGCTTTAACTTGGATGACACGGGAAGTGGCTGTGCTGCAGGGCTGT

AGTCACTCTCTGCTTTTACCTGGATGACACGGGAAGTGGCTCTGTGCTGCAGGCTGT  
GCTGCTAAATGTCAACAGACCGGCTCGGGGCGTGGCTGTGTGTGGACAAGATCGAGAA

GCATGCTAAATGTCAACAGACCCCTCGGGCCCTGCATGTGTGTGGACAAAGATCGAGAA  
GAGTCAAGGAGGGCGTACCTGCTGGCGGTTCCAGGCACTACGTCACCCACCGGCAAAACA

GAGTCAAGGAGGCGTACCTTGGTGGCGTTCGAGCACCTACCTCAACCCACCGCAACA  
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CAACATTCGACACTTCGCCCCAAGCTGCTGATGAAGGTGACTGACCTCCGCATG  
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ATCGGGGGCCCGCCACGCCAGCCGCTTCCCTCCACATGAAAGTCGAGTGTCCCGCCACCG  
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AAC1CTTCCCCCAGCTCTCCCTCGAGGTCCTTTGAGGATCAGGAAGTCTAAAGCC1  
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CAGGCGGCCAGAGGGTGTGCGGAGCTGGTGGGGAGGAGCCTGGAGAGAAGGGG  
CAGACGCTCGCGCGCTCAGCGAGAGCGCGCGCGAGAGCGCGCTTCTCTCGCTTCGCTCTCGCTC

CAGAGC1GGGGGC1GAGGGAGACCCCCCACACCCCTTC1C1CC1TC1C1CG1C  
CTTGGATAGATTGACCTGGGACAGAGAGAGAGCGGGGACTGGGGACGCTGGCTGGCTGAG

CTTGGATAGATTCAGCTCCACACACACACCCGCACIGCCCAGGTCCTCTCAG  
AGCTGGACGGGCTGGGACAGGGGCAAGAAGTCAAGTTGCTATGGCAAGCGAGACTG

TGGGAGGCTGGGGGAGCTGTGTCCTGCAGTTCCTCAGGACCCCATCCTCTCAGAAG  
 GTAGGGGAAGGGCGGGAGGATTGAGAAGGGACAAGCCACCTTGACCGTAGGGG  
 AAGGAGGAATGTGGGCTGGGGGAAGATGCCCTCAACTCACCCCTACACACACA  
 TGAGAGAGAGCCCCACCCAGTTCCTTGGCCTAGGTCTCCCCTCCAGGCTGAGGG  
 5 CCTCTCTACTTCCCCAGATGCCTGGGTGCAAAGAACGGCTTGGCTTGGCTCCTCC  
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 AGCGAGCGATAGAGAGAGATGATATTAAGTTATTAAGTGGAGGCTGACCAGAGGG  
 GAGGACCCCCCTTTACCACCCCATGCACTTTGCGAGCTGCCCCCTTCTTCCCCCAC  
 10 ATCAGAGAGAAATGCCCCACACCAGAGCCCCTTCTCCTGGTGGCGGGTCTGCA  
 GGGCTGGGAGAGGGCAGGGCGTTGTGAGAGAGAGACCGTCCATAAGGAGGACA  
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 GGCGC

15 SEQ ID NO: 498

>14849 BLOOD 403113.1 M26685 g186569 Human IsK protein (exhibiting a slowly activating channel activity) gene, complete cds, clone pHK2. 0

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 GATGGTTCTCAAGAAGGCAGAAGCAATGGTGACCAATAGACCTCCTTAAAGGCT  
 20 GAGCCGCTGGGCACCTTCCTACTCCTCTCGACCGTGCTAGGATGACTGCAGCAGA  
 GTCCCCGAGTCCTTTGATGCAAGGGTCTAGCAACCACCAAACAGACAAGCCCTTC  
 GGCCTGTCTCTGGAGGGCGTTGAATGGCATGGCCTGGAGCTCAACCAGGAGAACTC  
 GTGCTCAGGAGGAAGAGAGACCAGAAGGATAACTCAAAAAGTTCTGAGAAAGTTCTC  
 AAGACCACCTGAAGAGAAGGAGGCTGCTGCCAATGGTGTGGACACCGCAGTGTG  
 25 CTTGAGGAGACTTCAGAAACGAGAACTGTTTCACACAATCATCAGGTGAGCCGA  
 GGATCCATTGGAGGAAGGCATTATCTGTATCCAGAGGAAATAGCCAAGGATATT  
 CAGAGGTGTGCCTGGGAAGTTTGAGCTGCAGCAGTGGAACCTTAATGCCCAGGA  
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 30 CGGTGACGGCAAGCTGGAGGCCCTCTACGTCCTCATGGTACTGGGATTCTTCGGC  
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 CGAACGACCCATTCAACGTCTACATCGAGTCCGATGCCTGGCAAGAGAAGGACA  
 AGGCCTATGTCCAGGCCCGGGTCTGGAGAGCTACAGGTGCTGCTATGTCGTTGA  
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 35 CCCATGAACCCCAACCACTGGCTAA

SEQ ID NO: 499

>14852 BLOOD 474647.3 M27492 g186289 Human interleukin 1 receptor mRNA, complete cds. 0

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 CCCCAGACATTCTCCACCTCCTGGGAGGCCAGCCATTCCCAAATGCCCCAAGGATG  
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 45 CTGGACCCCTTGGTAAAAGACAAGGCCTTCTCCAAGAAGAATATGAAAGTGTTA  
 CTCAGACTTATTTGTTTCATAGCTCTACTGATTTCTTCTCTGGAGGCTGATAAATG  
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 TCGTCCCTGTCCTCTTAACCCAAATGAACACAAAGGCACTATAACTTGGTATAAA  
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AAAGAGAAGCTTTGGTTTGTTCCTGCTAAGGTGGAGGATTCAGGACATTACTATT  
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GGAGAATGAGCCTAACTTATGTTATAATGCACAAGCCATATTTAAGCAGAACT  
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5 GAAAATAATGAGTTACCTAAATTACAGTGGTATAAGGATTGCAAACCTCTACTTC  
TTGACAATATACACTTTAGTGGAGTCAAAGATAGGCTCATCGTGATGAATGTGGC  
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10 TCCCAGATACAATTGATCTGTAATGTCACCGGCCAGTTGAGTGACATTGCTTACT  
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TATACTGTATCCAAAGACTGTTGGGGAAGGGTCTACCTCTGACTGTGATATTTT  
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20 TTTATGGAAGGGATGACTACGTTGGGGAAGACATTGTTGAGGTCATTAATGAAA  
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25 GTCAGGGGACTTTACACAGGGACCACAGTCTGCAAAGACAAGGTTCTGGAAGAA  
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30 TCCTTTATCCCTGAGGTCACCTGGAATCAGATTATTAAGGGAATAAGCCATGACG  
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NN  
NN  
35 NNN  
NN  
NNCCCT  
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40 CCCAAGGGCGGGGCTATGCCTTGTCTGGGGACCCTGTAGAGTCACTGACCCTGGA  
GCGGCTCTCCTGAGAGGTGCTGCAGGCAAAGTGAGACTGACACCTCACTGAGGA  
AGGGAGACATATTCTTGAGAACTTTCCATCTGCTTGTATTTCCATACACATCCC  
CAGCCAGAAGTTAGTGTCCGAAGACCGAATTTTATTTACAGAGCTTGAAAATC  
ACTTCAATGAACAAAGGGATTCTCCAGGATCCAAAGTTTTGAAGTCATCTTAGC  
45 TTTCCACAGGAGGGAGAGAACTTAAAAAAGCAACAGTAGCAGGGAATTGATCCA  
CTTCTTAATGCTTTCCCTCCCTGGCATGACCATCCTGTCTTTGTTATTATCCTGCAT  
TTTACGTCTTTGGAGGAACAGCTCCCTAGTGGCTTCCTCCATCTGCAATGTCCCTT  
GCACAGCCCACACATGAACCATCCTTCCCATGATGCCGCTCTTCTGTCATCCCGC  
TCCTGCTGAAACACCTCCCAGGGGCTCCACCTGTTTCAAGGAGCTGAAGCCCATGCT

TTCCCACCAGCATGTCACTCCCAGACCACCTCCCTGCCCTGTCCTCCAGCTTCCCC  
 TCGCTGTCCTGCTGTGTGAATTCCCAGGTTGGCCTGGTGGCCATGTCGCCTGCCCC  
 CAGCACTCCTCTGTCTCTGCTCTTGCCCTGCACCCTTCCTCCTCTTTGCCTAGGAG  
 GCCTTCTCGCATTTTCTCTAGCTGATCAGAATTTTACCAAATTCAGAACATCCTC  
 5 CAATTCCACAGTCTCTGGGAGACTTTCCTAAGAGGCGACTTCCTCTCCAGCCTT  
 CTCTCTCTGGTCAGGCCCACTGCAGAGATGGTGGTGGAGCACATCTGGGAGGCTGG  
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 10 ATTTTATATATAGAGAAAGTGACCTATTTTTTAAAAAAATCACACTCTAAGTTCT  
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 15 GAAAACTCTTCTACTTTCATCTATTCTTTCCCTAGAGGCCAAACATTTCTTAAAT  
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 20 CCTGGGCCCGCTTTGCCTGCTTGAAGGAACAGTGCTGTTCTGGAGCTGCTGTTCC  
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 25 GGTGATGATGACCAAGAATTACAAGTAGAATGGCAGCTGGAATTTAAGGAGGGA  
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 30 AGATGCCCTAAGTGTTGAAGAAGAGTTTGCAAATGCAACAAAATATTTAATTACC  
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 GCAATAAAAGGTATTGAGCCATTTTAAATGACATTTTGTATAAATTATGTTTGT  
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SEQ ID NO: 500

>14870 BLOOD 470771.8 J05038 g190823 Human ras-related C3 botulinum toxin substrate (rac) mRNA, complete cds. 0

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 45 GGTAAACTTGCCTACTGATCAGTTACACAACCAATGCATTTCCCTGGAGAATATA  
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15 GTTAGCAGCACGTGTTCCCGACATAACATTGTACTGTAATGGAGTGAGCGTAGCA  
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25 AGTCGCTAACTTAGTAAGTGCTTTTCTTATAGAACCCTTCTGACTGAGCAATAT  
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SEQ ID NO: 501

&gt;14871 BLOOD 232589.59 AF077208 g4679029 Human HSPC022 mRNA, complete cds. 0

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35 TTGCGCCCGCAGAAACGCGCCTGGGCCCTGAGCTGTGCACCACCGACACTCTCCA  
GGCTCCGGACACGATGCAGGCCATCAAGTGTGTGGTGGTGGGAGATGGGGCCGT  
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40 CGCTCTCCTATCCACAGACGGACGTCTTCTCATCTGCTTCTCCCTCGTCAGCCCA  
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45 CACCCAGAGAGGCCTGAAAACCGTGTTTCGACGAGGCCATCCGGGCGGTGCTGTG  
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 5 CTTCAAGGGATGGGGCTCTTACTCCCTCCTGAGGCCAGCTGCTCTAATATCGATGG  
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 10 GAGAGTCTTCAAACCTTTTAAACCTTGCCAGTCAGGACTTTTGCTATTGCAAATAG  
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 AAA

SEQ ID NO: 502

15 >14873 BLOOD 462958.2 M30471 g178133 Human class III alcohol dehydrogenase  
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 20 AGTTCGAATCAAGATCATTGCCACTGCGGTTTGCCACACCGATGCCTATACCCT  
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 25 ATGGTACCAGCAGATTTACTTGCAAAGGAAAGACAATTTTGCATTACATGGGAA  
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 GGTCTGGGAGGAGTCGGATTGGCAGTTATCATGGGCTGTAAAGTGGCTGGTGCTT  
 30 CCCGGATCATTGGTGTGGACATCAATAAAGATAAATTTGCAAGGGCCAAAGAGT  
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 35 GGTAACAGGTCGCACATGGAAAGGCACTGCCTTTGGAGGATGGAAGAGTGTAGA  
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 40 GCCTCCAACCTCACAGCCTCGTAGAGCTTCACAGCTACTCCAGAAAATAGGGTTA  
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 45 GAAGCAGGGCAGTGGTGGGTGTCTGAAACCTCAGAAACATAACGTTGAACTTTT  
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15 TTTTGTGTAATAAAGTTTTAATGTAGTCACATAAAAAAGATGACTAAGAGGGAG  
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20 GGGCGAGTCCGGTGTAGAGTCTTGTGGGAGGATGTGCGTGGGAGGAGAGGGC  
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25 >14882 BLOOD 113621.5 AL110197:g5817115 Human mRNA; cDNA DKFZp586J021  
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40 ACTGCAAAAAAGCCTCCAAGGGTTTCGACTGGTCCAGCTCTGACATCCCTTCCT  
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45 GTCACAGATGCCAAGCAGGCAGCACTTAGGGATCTCCAGCTGGGTTAGGGCAG  
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10 CATAGTAAGAAGTCCAGCCTAGGAAGGGAAGGATTTTGGAGGTAGGTGGCTTTG  
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35 AAGAAATATTGGACTTGCTGCCGTAATTTAAAGCTCTGTTGATTTTGTTCCTGTT  
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SEQ ID NO: 504

>14911 BLOOD 337076.6 M36089 g340396 Human DNA-repair protein (XRCC1) mRNA,  
complete cds. 0

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 30 TCAGAAGGACAGGACAATGGGGCGGAAGATTCTGGGGACACAGAGGATGAGCT  
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SEQ ID NO: 505

>14916 BLOOD 337528.6 M37763 g189300 Human neurotrophin-3 (NT-3) gene, complete cds. 0

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 CAGGAGGTGACGCCCCCTGGGCCTCGGTGGGCGCTTCTGGCGGTTTTTCGATGTGGC  
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20

SEQ ID NO: 506

14923 BLOOD 332483.1 M36634 g340264 Human vasoactive intestinal peptide (VIP):

U3 mRNA, complete cds. 01/04/2004 14:00:00

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25

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5

SEQ ID NO: 507

>14933 BLOOD 332882.1 X58377 g22952 Human mRNA for adipogenesis inhibitory  
factor. 0

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5 SEQ ID NO: 508

>14948 BLOOD 351209.16 X59960 g402620 Human mRNA for sphingomyelinase. 0

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5 SEQ ID NO: 509

>14954 BLOOD 289783.4 M38694 g339561 Human transforming growth factor-beta (tgf-beta) mRNA, complete cds. 0

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SEQ ID NO: 510

>14959 BLOOD 995976.15 M25295 g186738 Human keratinocyte growth factor mRNA,  
complete cds. 0

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20 SEQ ID NO: 511

>14966 BLOOD 153659.5 X52015 g32576 Human mRNA for interleukin-1 receptor

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 40 CATTCCACCTTCCCATGCCCTGGATCCATCAGGCCACTTGATGACCCCCAACCAA  
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SEQ ID NO: 512

>15111 BLOOD 350447.18 M14333 g181171 Human c-syn protooncogene mRNA,  
complete cds. 0

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SEQ ID NO: 513

>15354 BLOOD 337518.7 Z32765 g525231 Human CD36 gene exon 15. 0

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 45 CTGTTCAAAACAGTTTATTTTATTTTATTTTATTTTATTTTGTTCAGACAAACACATTGAT  
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## SEQ ID NO: 515

>15418 BLOOD GB\_N46975 gi|1188141|gb|N46975|N46975 yv28f12.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:244079 5', mRNA sequence [Homo sapiens]

TTGGTCAACCACGCCAAGGGANNTNTCAGACTCCTTTCACAAGCCAGCTTCTGAC  
CCAGGCAGCTGACCCTCACCATGGACACTACAGGCCCTGGAATGGCCAGGGTGG  
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## SEQ ID NO: 516

>15620 BLOOD 238262.4 Incyte Unique

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## SEQ ID NO: 517

>15743 BLOOD Hs.75277 gnl|UG|Hs#S1569956 Homo sapiens mRNA; cDNA  
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/gi=4884349 /ug=Hs.75277 /len=3312

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5 SEQ ID NO: 518

>15833 BLOOD GB\_N63635 gi|1211464|gb|N63635|N63635 za16c12.s1 Soares fetal liver  
spleen 1NFLS Homo sapiens cDNA clone IMAGE:292726 3' similar to gb:M54915 PIM-1  
PROTO-ONCOGENE SERINE/THREONINE-PROTEIN KINASE (HUMAN);, mRNA  
sequence [Homo sapiens]

10 TTTTTTCCAGGTTAGAATGCGCATCTTTCAAAAAAAAAAAAAAAAAAACAGGTAAA  
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SEQ ID NO: 519

>15915 BLOOD 233764.7 Y12711 g6759555 Human mRNA for putative progesterone  
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30 TTAAAGCATTCAAGTGAAGTATATCTATTTTTGTATTTTGCAAAACCATTGTAAAC  
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SEQ ID NO: 520

>15974 BLOOD 981864.1 Incyte Unique

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45 AACCATTGATAAAATCAAATGAGCAAACCTGGGCTTATGTTTCTTGAAAATATTCT  
GGG



SEQ ID NO: 521

>16020 BLOOD Hs.30211 gnl|UG|Hs#S2005168 EST382554 Homo sapiens cDNA  
/gb=AW970473 /gi=8160318 /ug=Hs.30211 /len=707

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SEQ ID NO: 522

>16166 BLOOD 346280.34 AB020692 g4240258 Human mRNA for KIAA0885 protein,  
complete cds. 0

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25 GTCCACTGGCCAGGGGACCCTGTATATGGCCAATTCAAGAAGAGGGCCAAGAAA  
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40 GGCGCCACCTTAAGTTTTTCCAGGCTGCAACTGTGCATTATTTAAATGGTTTTCT  
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SEQ ID NO: 523

>16184 BLOOD 237729.6 AL117521 g5912037 Human mRNA; cDNA DKFZp434P0735  
(from clone DKFZp434P0735). 0

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SEQ ID NO: 524

>16303 BLOOD gi|1443464|gb|N90137.1|N90137 zb17h09.s1 Soares\_fetal\_lung\_NbHL19W  
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 PROTEIN NCK (HUMAN);, mRNA sequence  
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SEQ ID NO: 525

>16305 BLOOD 474565.9 M18391 g339716 Human tyrosine kinase receptor (eph) mRNA,  
 complete cds. 0

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SEQ ID NO: 526

35 >16466 BLOOD Hs.6820 gn|UG|Hs#S2451360 601487048F1 Homo sapiens cDNA, 5' end  
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SEQ ID NO: 527

&gt;16524 BLOOD 474681.7 D50525 g1167502 Human mRNA for TI-227H. 0

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25 TCTGCTGCTTGTACTGGTGGCTGTACTTTTCTGACTCTCATTGACCATATTCCACG  
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 35 GACTTAAGAGCTTTTGTCTTGTGGATATTTTAGTGGAACCACATCAGTCTCAAT  
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 10 AACCCACACCTCACCCACTAGGACTCAATGTTTACAACAGGAAGGACCATTGCT  
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 15 AAGAAGAAAAGTTTCCACTGTACTTAAAATTTACAGCTGACTCAAATTGCCTCAC  
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 20 GAAGAAACCATGCCAGCTGTTACCATTCAACTTCTTAAGCAGAGATTAAGCTTTT  
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 25 GGTGCTTTAGCTTTGTAGGATGAAAACCTCAAATAACAGGGCCTACCATGTAGA  
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 30 AGACTTGACAGATCCAAGTATTTATTAAGCTAGAGGTCATGGTCACTGAAATTAC  
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 35 TGAAACAAGTTATTAATAGAAAAGTGTACAGTGTGAACTCATTTTAAAATGTGTG  
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40 SEQ ID NO: 528

>16759 BLOOD GB\_R09836 gi|761792|gb|R09836|R09836 yf30b12.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:128351 5', mRNA sequence [Homo sapiens]

45 AAGATCACAAGGTTTACATCTGGCACAACGTAAGTANACCTGCCAATTGCGGAC  
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 TTTTATAGGACCACCAGAATATTGGAAGAGGGAATGCAGTAGCATGGGATAGTT  
 TGATGGGTGATTTGGGAGCAGACGANTTCTTGTTTTAACTTTAAATTTAGTTCGTA

TTTTTAATTGGCTTNGGGGTTTTGGGTGCCAAACCAAACNTGATTTGATAGCTTG  
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SEQ ID NO: 529

5 >16991 BLOOD 978861.1 Incyte Unique  
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CAGCCCAGGAGAGGCTGCGGAGCCGCAGCCGCCAGACCGCGCAGCGCGGGGA  
GGCAGGTTCCGCACGAAATAAATCAGAATGAGTTATGCAGAAAAACCCGATGAA  
ATCACGAAAGATGAGTGGATGGAAAAGCTCAATAACTTGCATGTCCAGAGAGCA  
10 GACATGAACCGCCTCATCATGAACTACCTGGTCACAGAGGGCTTTAAGGAAGCA  
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15 AGAGGCGGCGCTGGAGTTTGCACAGACTCAGCTGGCGGAGCAGGGCGAGGAGA  
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25 GCAGAGCCTGCACTCTGGCACTCGCTGAAGAATCTGGAAGGTTGCGGTTTGCTCT  
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30 AAATCCTAATTCAAAGATGGCTCGTGTGTGAGGGCATTGAGTTTGATTTGTTTTT  
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TGATTTCAAGAATGACCAAAATGGCCTCTAAAAGATGTTAATCATCTCAAATGAC  
35 CTTTTGTCTTTGGGGCGTTCTTCCCCCTGTGATAGCGGCAGTGGCTTTTTCTGGTA  
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40 ACAGAACTGTCCCCTGCTCCGTGGTGGGCAGGAGGGAAGTGGTGCAGGGCTGCG  
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10 GAACACAAATGGGGTCATTACGTGCCTGGACTGTCACTATGTGGCTGTCACGTG  
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25 TGAGTTGAGGACAGCTTTTCTAAGGCAATGTGATGTCTTTGCTTTCTATTCTCT  
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GCCAAGCAGTCTGTGTGCTTCCCCGCTGATGGAGAACGTTGCGTTGTTTACAATA  
30 GGGCCTCATGGGTGTAGCCGCATGGCAGACCCATGGCTGGCGCAGCTGCCTGTTG  
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TTTTTTGCAAATTGTATTGTCAACATGGGTCAATTAAGTCTGTATGAACCATAA  
CCTGCTGTGGTACCTTTGTACATGTTTGATTCTGTATTCTTTATTCCAGTGTGGCA  
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SEQ ID NO: 530

>17028 BLOOD GB\_R25895 gi|782030|gb|R25895|R25895 yh43f12.r1 Soares placenta

40 Nb2HP Homo sapiens cDNA clone IMAGE:132527 5', mRNA sequence [Homo sapiens]  
TNTTNACTGTGCCGTTTTAGTGGTTTAGGATAAAAATGCACTTGTGAAGCAAATG  
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TTTATTGTTTTATGTGCCAAACCACGAAGGCCATTGGGGCTTTC AATCTCTGGAA  
45 CACTGTAGGACCCATTAGGAAGGACTGTTCCCGATTGTTACAANTGTAGTGCCNG  
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SEQ ID NO: 531

>17066 BLOOD GB\_R27082 gi|783217|gb|R27082|R27082 yh52b06.r1 Soares placenta  
Nb2HP Homo sapiens cDNA clone IMAGE:133331 5', mRNA sequence [Homo sapiens]  
GCACCGCACTGCCGCCTCCTGACTGCCCTATCCCCGCAGCCCCTGTGCCGGATT  
5 TCATTTCCCTCCTCTCTCCCAGGGTACCTGGCNCCCAGCACTCTCCCATCTGTTCT  
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SEQ ID NO: 532

>17168 BLOOD GB\_R33030 gi|788873|gb|R33030|R33030 yh70d06.s1 Soares placenta  
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PROTEIN DISULFIDE ISOMERASE ER-60 PRECURSOR (HUMAN);, mRNA sequence  
[Homo sapiens]

TTTTTTTTTAAAGGGGTCTCATTTATTGTCAGTGTCCAAATGTACAAAAAAATT  
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20 TCCTCTCGGGCCCTGAGNGGGTAATAATTCCCATATGGGGNCCTAGGTCTCCCC  
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SEQ ID NO: 533

>17191 BLOOD 445041.11 X15480 g31947 Human mRNA for anionic glutathione S-  
transferase (GST-pi-1). 0

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30 GAAGGAGGAGGTGGTGACCGTGGAGACGTGGCAGGAGGGCTCACTCAAAGCCTC  
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TCCAATACCATCCTGCGTCACCTGGGCCGCACCCTTGGGCTCTATGGGAAGGACC  
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35 GAAGGCACTGCCCGGGCAACTGAAGCCTTTTGAGACCCTGCTGTCCCAGAACCA  
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CTGGACTTGCTGCTGATCCATGAGGTCCTAGCCCCTGGCTGCCTGGATGCGTTCC  
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SEQ ID NO: 534

>17309 BLOOD 994439.4 S78569 g1042081 laminin alpha 4 chain [Human, fetal lung,  
mRNA, 6204 nt]. 0

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GGGGACGACAACGCTTTTCCCTTTTGACATTGAAGGGAGCTCAGCGGTTGGCAGGC  
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5 CGGCCGAGAAATGCAATGCTGGATTCTTTCACACCCTGTTCGGGAGAATGTGTGCC  
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10 CCATCAGGGGAGCACCCCAATTCTGCCAGCCGTGCCCTGTCCCTGCCCACTT  
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15 TTACGCAACACCACCGGATTCAAGTGTGAACGTTGCGCTCCTGGCTACTATGGGG  
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25 SEQ ID NO: 541  
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25 SEQ ID NO: 543  
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SEQ ID NO: 544

&gt;17898 BLOOD 064333.4 X03663 g29899 Human mRNA for c-fms proto-oncogene. 0

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SEQ ID NO: 545

>17915 BLOOD GB\_R93149 gi|967315|gb|R93149|R93149 yq15g08.s1 Soares fetal liver  
 spleen 1NFLS Homo sapiens cDNA clone IMAGE:197054 3', mRNA sequence [Homo  
 sapiens]

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SEQ ID NO: 546

>17952 BLOOD 337221.6 Incyte Unique

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>18005 BLOOD 442042.5 Z70293.1 g1296611 Human mRNA for chemokine CC-2 and CC-3. 0

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SEQ ID NO: 548

>18046 BLOOD 1326922.7 M12125 g339951 Human fibroblast muscle-type tropomyosin  
 mRNA, complete cds. 0

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45 SEQ ID NO: 549

>18061 BLOOD 227748.5 M74826 g182931 Human glutamate decarboxylase (GAD-2)  
 mRNA, complete cds. 0

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45 SEQ ID NO: 550

>18101 BLOOD 351841.7 U22384 g733134 Human lysyl oxidase gene, partial cds. 0  
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25 GGCTGTTATGATACCTATGGTGCAGACATAGACTGCCAGTGGATTGATATTACAG  
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30 ACTTCAGTAGGATTTATGTATTTTGAAGAACAGAAAAACAACAAAGAAAT  
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35 AGCCAAAATGACTTTGAACTGAACTTTTCTAAAGTGCTGGAACCTTTAGTGAAAC  
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40 ATAACCTCCTTTCTTTCAAGTGCACAATTTCAATTTGACTTGAGTCAACTTTTGT  
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5 ATACTTGAGGGGTTGGTGAACAAAGGAAAAATATACTTTCTGCAAAACCAAGGA  
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 10 TCTCAAGTAAGATTTTCCAGTGCCAGAACATGTTAGGTGGAATTTTAAAAGTGCC  
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SEQ ID NO: 551

25 >18105 BLOOD 350513.1 M95167 g703094 Human dopamine transporter (SLC6A3)  
 mRNA, complete cds. 0  
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AATTC

SEQ ID NO: 552

5 >18166 BLOOD 350204.2 U07695 g495472 Human tyrosine kinase (HTK) mRNA,  
complete cds. 0  
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SEQ ID NO: 553

>18214 BLOOD 407199.2 AF154830 g5020419 Human carbamyl phosphate synthetase I  
 mRNA, complete cds. 0

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30 TTCTCAGAGATGAATATTGATAACTAACTTCATTTAGTTTACTTTGTTATGCCT  
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40 NNN  
NN  
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45 TGGAAGTAAGGTTTATTCCCTTAAGACGATGGATTCTGTTGAACTATGGGGTCCC  
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SEQ ID NO: 554

&gt;18219 BLOOD 1143363.1 AF031425 g2623890 Human galectin 3 (LGALS3) gene, exon 6, and complete cds. 1e-54

5 GATTATATCATGGTATATGAAGCACTGGTGAGGTCTATGTCACCAGAAATTCCCA  
GTTTGCTGATTTTCATTGAGTTTTTTAAACCCGATGATNGTACTGCAACAAGTNAGC  
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TGAAAGGGTTCCCATTTTTCNAANGGGGAAACCGNTNTTTTTTCTTCCCTNCCCNGT  
TATTATCCAGCTTTGTATTGCAAACAATGACTCTCCTGTTGTTCTCATTGAAGCGT  
10 GGGGTAAAGTGGGAGGGCAACATCATTCCCTCTTTGGGAAATCTAAGGCAATTC  
TGTTTGCATTGGGGC

SEQ ID NO: 555

&gt;18229 BLOOD 400534.5 L22342 g402204 Human nuclear phosphoprotein mRNA, complete cds. 0

15 GCCCAGCCTCCTCACTAGCACTGTGCAAGTGGCCAGTGACAACCTGATCCCCCAA  
ATAAGAGATAAAGAAGACCCTCAAGAGATGCCCCACTCTCCCTTGGGCTCTATGC  
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20 CAACTCCAAAAAGGAGACATAAGAAAAAAAGCCTCCCAAGAGAGATCATTGATG  
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TCATGATGAGGGTCCAAAAGGCAAGAACTAAATGTGCCCCGAAAGTCCAGATTGA  
25 AAGAAAAGAAAAGGAGAAAGATATCTGTTCAAGCTCAAAAAGGAGATTTTCAG  
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ATGAAACACGGATCCTCAGTGAAGTGCATTTCGGAATGAGGATGGAAGTGGTGA  
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30 ACGGAATATACGTTGTGAAGGAACGACCCTAGGAGAGCTGCTGAAGAGTGGACT  
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35 ATAAATCTCAAGAGAGAGTTCAATAGCAAGTGAATTTCTACTACCCTCTCAGTCA  
CCATGTTGCAGACTTTCCCTGTCTGGAGGCTCACCTTAGAGCTTCTGAGTTTCCAA  
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40 SEQ ID NO: 556

&gt;18298 BLOOD 406471.1 X52638 g35502 Human mRNA for 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (EC 2.7.1.105, EC 3.1.3.46).

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45 GCCTGTCTCCATGGCTGGTTTTTAATTTCCCATTTCTGCAGTGGCTTGTTAATATTA  
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 5 CAGTGAGCTACAAGA ACTATGAATTCTTTCTTCCAGACAACATGGAAGCCCTGCA  
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 10 ACTTGGCAGCCCTGATTATATAGACTGTGACCGGGAAAAGGTTCTGGAAGACTTT  
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 20 ATATCGCTACCGCTATCCCAAGGGAGAGTCCTATGAGGATCTGGTTCAGCGTCTG  
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 25 GAGAAGCCTGAGAATGTGGACATCACCCGGGAACCTGAGGAAGCCCTGGATACT  
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 GCCTTCCACCTTTAGGAAATGCTATCTTTGCTCTTCTCCTACTCTGCCTTGGCCTC  
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SEQ ID NO: 557

>18501 BLOOD 201402.1 AL080184 g5262661 Human mRNA; cDNA DKFZp434O071  
(from clone DKFZp434O071). 0

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 TTTCCATTTTTTTTTTTTAAAGGGCTTTCTGAACCTATGAAACCAGGGCAGAAGGA  
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 40 AGCCAGAGGGGTGAACTGGAGTGATCGAGGAGTAGGGCTATTTTAAATGGGAGT  
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 45 AGCAGTCTTTGTTGGTATAAATCATGCCAGTGCTAAAGTGGATTTTCGATAACAAC  
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 30 TATTATATCTTCCAGATAATGTTATTCAATTTAGAACAAATAAGGTATATTTTTTAG  
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40

SEQ ID NO: 558

&gt;18526 BLOOD 238447.3 Incyte Unique

45

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SEQ ID NO: 559

&gt;18550 BLOOD 234287.1 Incyte Unique

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SEQ ID NO: 560

>18555 BLOOD 200000.3 AF054175 g3341993 Human mitochondrial proteolipid 68MP  
homolog mRNA, nuclear gene encoding mitochondrial protein, complete cds. 0

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 40 CCATCATTGTGAAATAATTACCTCAGTTGTACAGGACTTGGTGATCAGGATCCAG  
 GCACTCACTTGTATTCTACTGCTCAATAAACGTTTATTAACTTGATCCTGCTACT  
 TAAA

SEQ ID NO: 561

45 >18576 BLOOD 481208.4 U60207 g1477790 Human stress responsive serine/threonine  
protein kinase Krs-2 mRNA, complete cds. 0

GCGGGGCGGGCTCAGGAGGTCCGCGGGAGGATGGAGCAGTGAGCGGGTCTGGG  
 CGGCTGCTGGCAGCGCCATGGGAGACGGTACAGCTGAGGAACCCGCCGCGCCGG  
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GATGTCTTAGAGAAACTTGGAGAAGGGTCCTATGGCAGCGTATACAAAGCTATT  
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 5 TACTGTGGGGCTGGTTCTGTATCTGATATCATTTCGATTACGAAATAAAACGTTAA  
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 TCATTTTATGAGAAAAATACACCGAGATATCAAGGCAGGAAATATTTTGCTAAAT  
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 10 GTGATTCAGGAAATTGGATACAACCTGTGTAGCAGACATCTGGTCCCTGGGAATA  
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 30 ATCTCAAAGGATTTATATTGGCGCTTTTAACTCAGAGTTTTAAACCCAGGAACA  
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SEQ ID NO: 562

>18601 BLOOD 217961.1 Incyte Unique

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 40 TGAAATTATTGAACATTGAAGTGTGAGGCTTGTCTAAGAGCACGTCACCTCCCT  
 TGACACAGATTCTGCATGTCCTTCCCTCTGGTAGGGATCCTCCAGTTCGGTTTCTC  
 AGGCGAAGTAACCAGAGGTTCCAGTCTGCTCTTGCTTTCTGGGAGGAAGACAGA  
 GCACCTAGTAATAGATTCCCAGGGTACTGATTGGCACCACACATGACTCAGAGG  
 GGACCTAAGCCCATCAGCAGGCTGCTCTAAGGACCTACCTCAGGGCACTCAGAC  
 45 AGCCTCACCAATCAGAGGCTCAGGAGAGGGTTTTCTCACTGCCCTCCTTGTGTG  
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SEQ ID NO: 563

>18628 BLOOD GB\_T96731 gi|735355|gb|T96731|T96731 ye51f02.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:121275 5' similar to gb:M24922\_cds1 HLA CLASS II HISTOCOMPATIBILITY ANTIGEN, DX BETA CHAIN (HUMAN);,

mRNA sequence [Homo sapiens]

NTTCGGCACGGNGGCTCTGCAGATCCCTGGAGGCTTTTGGGCAGCAGCTGTGACC  
GTGATGCTGGTGTGCTGAGCACCCAGTGGCTGAGGCAGANGACTTTCCCAAG  
GATTTNTTGGTCCAGTTTAAGGGCATGTGCTACTTCACCAACGGGACAGAGCGCG  
TGGNGGTGTGGCCAGATACATCTATAACCGCGAGAGTACGGGCGCTTCGACAGC  
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AACAACTATAAGGACTTCTTTGAGCAGGAGCGNGCCGGNTNGGACAAGGTGTGC  
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SEQ ID NO: 564

>18649 BLOOD 205772.16 Incyte Unique

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TGTACATTCCTTTTTCTATAATTTAAGAAGTCTGGAATACAGAGTGTAACACTGT  
GTACTGCTAGCACCCAAAGTGGAATACTTAAGCATTTCAGATTGTTTAGTCAAAG  
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SEQ ID NO: 565

>18713 BLOOD GB\_T98559 gi|748296|gb|T98559|T98559 ye70f11.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:123117 3', mRNA sequence [Homo sapiens]

AACACTTTAATATTNATGGTGTATCACATAAAAAACAAAGTCATATACTTTTGCA  
 TTAATCAAAAAATAGCAAATCCATATAATGGCAAAATCAGGAAAAAAATTCTAG  
 TATTTCCACAAAATACATAATGTCTTACAGATGATTATGTGAACTTTAAATGTCT  
 GCAGCCCTACAGAGCTTTTGTGTCANTTGAAAAACAAAAAAATCCCAACACAG  
 5 GATGTTCAAAAAGCCTAATTCATAAAANGACANTTTATTCCNATGTTTAAATATAG  
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SEQ ID NO: 566

10 >18817 BLOOD Hs.93213 gnl|UG|Hs#S1972075 Human DNA sequence from clone RP1-  
 291J10 on chromosome 6p21.2-21.33 Contains BAK1 (BCL2-antagonist/killer 1) gene,  
 ESTs, STSs, GSSs and a CpG Island /cds=(249,884) /gb=Z93017 /gi=5921377 /ug=Hs.93213  
 /len=2136  
 GCCGGGTGCCGCTGGCACCTCTATGATCACTGGAGTCTCGCGGGTCCCTCGGGCT  
 15 GCACAGGGACAAGTAAAGGCTACATCCAGATGCCGGGAATGCACTGACGCCCAT  
 TCCTGGAACTGGGCTCCCACTCAGCCCCTGGGAGCAGCAGCCGCCAGCCCCTCG  
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 CTCCCAGGCAGGAGTGCGGAGAGCCTGCCCTGCCCTCTGCTTCTGAGGAGCAGGT  
 20 AGCCCAGGACACAGAGGAGGTTTTCCGCAGCTACGTTTTTTACCGCCATCAGCAG  
 GAACAGGAGGCTGAAGGGGTGGCTGCCCTGCCGACCCAGAGATGGTCACCTTA  
 CCTCTGCAACCTAGCAGCACCATGGGGCAGGTGGGACGGCAGCTCGCCATCATC  
 GGGGACGACATCAACCGAGGCTATGACTCAGAGTCCAGACCATGTTGACAGCAG  
 CTGCAGCCCACGGCAGAGAATGCTATGAGTACTTCAACCAAGATTGCCACCAGC  
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 30 CAAATCATGACTCCCAAGGGTGCCCTTTGGGGTCCCGGTTCCAGACCCCTGCCTGG  
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 35 TGTCTGCTAGGCGCTGGGGAGACTGATAACTTGGGGAGGCAAGAGACTGGGAGC  
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 GCCCATTTCCACCATTTCTACCTGAGGCCAGGACGTCTGGGGTGTGGGGATTGGTG  
 GGTCTATGTTCCCCAGGATTCAGCTATTCTGGAAGATCAGCACCTAAGAGATGG  
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 40 GACCTACTAGGAGAGGGGGGCCAAGGTCCTGCTCAACTCTACCCCTGCTCCCAT  
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 45 GGGGGCCTTGGGTGAGTGGCCTGCTAAGGCTCCTCCTTGCCCAGACTACAGGGCT  
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GTGGGGGGGTGACAGTGCCTTCTCTATTGGGGCACAGCCTAGGGTCTTGGGGGGTCAG  
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5 SEQ ID NO: 567

>18899 BLOOD 285978.2 U43431 g1292911 Human DNA topoisomerase III mRNA,  
complete cds. 0

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15 AAGATCTATGAATTTGATTATCATCTGTATGGCCAGAATGTTACCATGGTAATGA  
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25 TGTGGTGGAGCGGTTCAAAGCCATTCAAGGCTTTTGTACCAGAAATCTTCCACAGA  
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35 TGTACGAGTTTATTGTTTCGCCATTTCTCTGGCTTGTGCTCCAGGATGCTCAGGGG  
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40 TGCCCTCATGGAGAAGCATGGCATTGGTACGGATGCCACTCATGCGGAGCACAT  
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SEQ ID NO: 568

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 35 AGCCGCCGGCGCCCGAGGGGCGGAGCGAGATTGTAAACCATGGCTGTGTGGATA  
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 30 CAATCGTGACCCCGCGACCTCTCCATCTTCAGCTTCTTCATCTTCACCAGAGGAAT  
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 35 AGA

SEQ ID NO: 569

>18954 BLOOD 475048.3 AF100143 g4323512 Human fibroblast growth factor 13 isoform 1A (FGF13) mRNA, complete cds. 0

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 45 GCTGCAGGCGGATGGAACCATTGATGGCACCAAAGATGAGGACAGCACTTACAC  
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 CATACTAAAGCCCCATTATTTAGATTGAGCTTGTGCATAAGAATGCCAAGCATT  
 TAGTGAACATAAATCTGAGAGAAGGACTGCCAAATTTTCTCATGATCTCACCTATA  
 10 CTTTGGGGATGATAATCCAAAAGTATTTACAGCACTAATGCTGATCAAAATTTG  
 CTCTCCCAACCAAGAAAATGTAAAAGACCACAATTGTTCTTCAAAAACAAACAAA  
 AAAAAACAAAACAAAATTAAGTGTCTTAAATGTTTTGTCGGGGCAAAACAAAATTA  
 TGTGAATTGTGTTGTTTTCTTGGCTTGATGTTTTCTATCTACGCTTGATTACATGT  
 ACTCTTTTCTTTGGCATAGTGCAACTTTATGATTTCTGAAATTCAATGGTTCTATT  
 15 GACTTTTTGCGTCACTTAATCCAAATCAACCAAATTCAGGGTTGAATCTGAATTG  
 GCTTCTCAGGCTCAAGGTAACAGTGTTCTTGTGGTTTGACCAATTGTTTTCTTTC  
 TGTNTNTTTTTTTTAGATTTGTGGTATTCTGGTCAAGTTATTGTGCTGTACTTTGT  
 GCGTAGAAATTGAGTTGTATTGTCAACCCCAAGTCAGTAAAGAGAACTTCAAAAA  
 ATTATCCTCAAGTGTAGATTTCTCTTAATTCCATTTGTGTATCATGTAAACTATT  
 20 GTTGTGGCTTCTTGTGTAAAGACAGGAAGTGTGGAAGTGTGATGTTGTCTTTTGT  
 GTTGTAAATAAGAAATGTCTTATCTGTATATGTATGAGTCTTCCTGTCATTGTA  
 TTTGGGCACATGAATATTGTGTACAAGGAATTGTTAAGACTGGTTTTCCGTCACACA  
 ACATATATTATACTTGCTACTGGAAAAGTGTTTAAGACTTAGCTAGGTTCCATTT  
 TAGATCTTCATATCTGTTGCATGGAAAGAAAGTTGGGTTCTTGGCATAGAGTTGCAT  
 25 GATATGTAAGATTTTGTGCATTCATAATTGTTAAAAATCTGTGTTCCAAAAGTGG  
 ACATAGCATGTACAGGCAGTTTTCTGTCTGTGCACAAAAAGTTTAAAAAAGTTG  
 TTTAATATTTGTTGTTGTATACCCAAATACGCACCGAATAAACTCTTTGAATGAAT  
 ATAAAGAGTTTATTCGGTGCGTATTTGTTGTTGTATACCCAAATACGCACCGAAT  
 AAACCTCTTTATATTGATTCAAAG

30

SEQ ID NO: 570

&gt;18972 BLOOD 263164.34 X74929 g400415 Human KRT8 mRNA for keratin 8. 0

GGTGGCAGGTGACGGGTTAGGCCAGCCCCCTCTGGGCCTAGCCACTCAGGTAC  
 GAGGCCTTTCCCCCCCCATCCCCCGGGGCTGGGATCTCTTTTATAAAAGGCCATTC  
 35 CTGAGAGCTCTCCTCACCAAGCAGCAGCTTCTCCGCTCCTTCTAGGATCTCCGCCT  
 GGTTTCGGCCCGCCTGCCTCCACTCCTGCCTCCACCATGTCCATCAGGGTGACCCA  
 GAAGTCCTACAAGGTGTCCACCTCTGGCCCCCGGGCCTTCAGCAGCCGCTCCTAC  
 ACGAGTGGGCCCCGGTTCCCGCATCAGCTCCTCGAGCTTCTCCCGAGTGGGCAGCA  
 GCAACTTTCGCGGTGGCCTGGGCGGCGGCTATGGTGGGGCCAGCGGCATGGGAG  
 40 GCATCACCGCAGTTACGGTCAACCAGAGCCTGCTGAGCCCCCTTGTCCTGGAGGT  
 GGACCCCAACATCCAGGCCGTGCGCACCCAGGAGAAGGAGCAGATCAAGACCCT  
 CAACAACAAGTTTGCTCCTTCATAGACAAGGTACGGTTCTTGAGCAGCAGAA  
 CAAGATGCTGGAGACCAAGTGGAGCCTCCTGCAGCAGCAGAAGACGGCTCGAAG  
 CAACATGGACAACATGTTTCGAGAGCTACATCAACAACCTTAGGCGGCAGCTGGA  
 45 GACTCTGGGCCAGGAGAAGCTGAAGCTGGAGGCGGAGCTTGGAACATGCAGGG  
 GCTGGTGGAGGACTTCAAGAACAAGTATGAGGATGAGATCAATAAGCGTACAGA  
 GATGGAGAACGAATTTGTCCTCATCAAGAAGGATGTGGATGAAGCTTACATGAA  
 CAAGGTAGAGCTGGAGTCTCGCCTGGAAGGGCTGACCGACGAGATCAACTTCCT  
 CAGGCAGCTGTATGAAGAGGAGATCCGGGAGCTGCAGTCCCAGATCTCGGACAC

ATCTGTGGTGCTGTCCATGGACAACAGCCGCTCCCTGGACATGGACAGCATCATT  
 GCTGAGGTCAAGGCACAGTACGAGGATATTGCCAACCGCAGCCGGGCTGAGGCT  
 GAGAGCATGTACCAGATCAAGTATGAGGAGCTGCAGAGCCTGGCTGGGAAGCAC  
 GGGGATGACCTGCGGCGCACAAAGACTGAGATCTCTGAGATGAACCGGAACATC  
 5 AGCCGGCTCCAGGCTGAGATTGAGGGCCTCAAAGGCCAGAGGGCTTCCCTGGAG  
 GCCGCCATTGCAGATGCCGAGCAGCGTGGAGAGCTGGCCATTAAGGATGCCAAC  
 GCCAAGTTGTCCGAGCTGGAGGGCCGCCCTGCAGCGGGCCAAGCAGGACATGGCG  
 CGGCAGCTGCGTGAGTACCAGGAGCTGATGAACGTCAAGCTGGCCCTGGACATC  
 GAGATCGCCACCTACAGGAAGCTGCTGGAGGGCGAGGAGAGCCGGCTGGAGTCT  
 10 GGGATGCAGAACATGAGTATTCATACGAAGACCACCAGCGGCTATGCAGGTGGT  
 CTGAGCTCGGCCTATGGGGGCCTCACAAGCCCCGGCCTCAGCTACAGCCTGGGCT  
 CCAGCTTTGGCTCTGGCGCGGGCTCCAGCTCCTTCAGCCGCACCAGCTCCTCCAG  
 GGCCGTGGTTGTGAAGAAGATCGAGACACGTGATGGGAAGCTGGTGTCTGAGTC  
 CTCTGACGTCCTGCCCAAGTGAACAGCTGCGGCAGCCCCCTCCAGCCTACCCCTC  
 15 CTGCGCTGCCCCAGAGCCTGGGAAGGAGGCCGCTATGCAGGGTAGCACTGGGAA  
 CAGGAGACCCACCTGAGGCTCAGCCCTAGCCCTCAGCCCACCTGGGGAGTTTACT  
 ACCTGGGGACCCCCCTTGCCCATGCCTCCAGCTACAAAACAATTCAATTGCTTTT  
 TTTTTTTGGTCCAAAATAAAACCTCAGCTAGCTCTGCCAATGTCAA

20 SEQ ID NO: 571

>19004 BLOOD 083318.1 K00488 g182106 Human enkephalin gene, 5' flank and intron c

(5' end): 0

GTTGGGGGAGCTGTGCGCGCCCTCTTTCCCTTCACATTTTCATGTCATGGGGTTCCTCC  
 AACAGCGTTCCCTGGTTCTTCTTTGTGACCCGAGTCAATGTCCTGCCTCCCCCGGC  
 25 TCCCGCTCTCTCGCCCCTGGTCTGCGGCGTTCTCTCCGGAATCTTGCCCTGGGCCG  
 CGGACGCCCAGGAAAAGAGCCGGGTGCCCCAGGCAGCCTCGCGTTGGGGGCGAC  
 CGCGCCATCCCGGGAA

SEQ ID NO: 572

30 >19039 BLOOD 135014.5 M64925 g189785 Human palmitoylated erythrocyte membrane protein (MPP1) mRNA, complete cds. 0

GGGCGGTGACTGGCCCAGCCGCACCGCGTCTCCCGCCTTCTCCGCAGCCCCGCAG  
 GCCCCGGGCCCTGTCATTCCCAGCGCTGCCCTGTCTTGCGTTCCAGTGTTCCAGCT  
 TCTGCGAGATGACCCTCAAGGCGAGCGAGGGCGAGAGTGGGGGCAGCATGCACA  
 35 CGGCGCTCTCCGACCTCTACCTGGAGCATTTGCTGCAGAAGCGTAGTCGGCCAGA  
 GGCTGTATCGCATCCATTGAATACTGTGACCGAGGACATGTACACCAACGGGTCT  
 CCTGCCCCAGGTAGCCCTGCCAGGTCAAGGGACAGGAGGTGCGGAAAGTGCGA  
 CTCATACAGTTTGAGAAGGTACAGAAGAGCCCATGGGAATCACGCTGAAGCTG  
 AATGAAAAACAGTCCTGTACGGTGGCCAGAATTCTTCATGGTGGCATGATCCATA  
 40 GACAAGGCTCCCTTCACGTGGGGGATGAGATCCTAGAAATCAATGGCACAAATG  
 TGACAAATCATTCAGTGGATCAGCTGCAGAAGGCGATGAAAGAAACCAAAGGAA  
 TGATCTCATTAAGTAATTCCTCAACCAGCAAAGCCGTCTTCTGCACTACAGAT  
 GTTCATGAGAGCGCAGTTTGACTATGATCCCAAAAAGGACAATCTGATCCCTTGC  
 AAGGAGGCGGGACTGAAGTTTGCTACTGGGGACATTATCCAGATTATCAACAAG  
 45 GATGACAGCAATTGGTGGCAGGGACGGGTGGAAGGCTCCTCCAAGGAGTCAGCA  
 GGATTGATCCCTTCCCCTGAGCTGCAGGAATGGCGAGTGGCAAGTATGGCTCAGT  
 CAGCTCCTAGCGAAGCCCCGAGCTGCAGTCCCTTTGGGAAGAAGAAGAAGTACA  
 AAGACAAATATCTGGCCAAGCACAGCTCGATTTTTGATCAGTTGGATGTTGTTTC  
 CTACGAGGAAGTCGTTTCGGCTCCCTGCATTCAAGAGGAAGACCCTGGTGCTGATC

GGAGCCAGTGGGGTGGGTCGCAGCCACATTAAGAATGCCCTGCTCAGCCAGAAT  
 CCGGAGAAGTTTGTGTACCCTGTCCCATATACAACACGGCCGCCAAGGAAGAGT  
 GAGGAAGATGGGAAGGAGTACCACTTTATCTCAACGGAGGAGATGACGAGGAA  
 CATCTCTGCCAATGAGTTCTTGGAGTTTGGCAGCTACCAAGGCAACATGTTTGGC  
 5 ACCAAATTTGAAACAGTGCACCAGATCCATAAGCAGAACAAGATTGCCATCCTT  
 GACATTGAGCCCCAGACCCTGAAAATTGTTTCGGACAGCAGAACTTTCGCCTTTCA  
 TTGTGTTTCATTGCACCTACTGACCAGGGCACTCAGACAGAAGCCCTGCAGCAGCT  
 GCAGAAGGACTCTGAGGCCATCCGCAGCCAGTACGCTCACTACTTTGACCTCTCA  
 CTGGTCAATAATGGTGTGATGAAACCCTTAAGAAATTACAAGAAGCCTTCGACC  
 10 AAGCGTGCAGTTCTCCACAGTGGGTGCCTGTCTCCTGGGTTTACTAAGCTTGTAG  
 AATGGGGGAACCCACTGTATGCCCTCTCCAGCATTTGGAATTCCACCCGCCTTG  
 CTTTAAGACAAACAGGGCTGCTCCAAGTATTTTGTGTGTCAGCTTCCAGCTCTCTG  
 CAGCTATCCTAATTCAGCCAGTAAGGTTTCAGTCTTCTTGCTCAGGCTCCTGAAGG  
 GTTGATTCTCCTGATAGATGGGGCCCCACTGATCTGGATTTGAAAAGGATTTCTA  
 15 GAAATTGGGGGTAAGAAGTACTACCAAAATGTAAGTCTAATCAAGGGTGATGC  
 ACAGCAAAAGCAATGGACCCCATCCCTCTAAAGCCTGCCCTCCTTTGCCTTCAAC  
 TGTATATGCTGGGTATTTCAATTTGTCTTTTTATTTTGGAGAAAGCGTTTTTAAGT  
 CAACCTTTCTATAATGCCAAAATGACACATCTGTGCAATAGAATGATGTCTGCTCT  
 AGGGAAACCTTCAAAAGCAATAAAAATGCTGTGTGAAATGCCAGAAAAAAA

20

SEQ ID NO: 573

>19055 BLOOD\_GB\_W02116 gi|1274164|gb|W02116|W02116.zc66e09.s1

Soares\_fetal\_heart\_NbHH19W Homo sapiens cDNA clone IMAGE:327304.3; mRNA

sequence: [Homo sapiens]

25 TTTTTCGGGAGAAGAAAAGCTTTACTGGGAGAAAATACAACAAATTCAGAGT  
 GCATGGTTTTTAGCCACCCCTATCACCCACCAGCAATAGGAACACAGACCACTC  
 GATCACACACATTCCCTACCTCAGGGAGTAAGTACATCAGCCAACATCTNNGTC  
 TCNGAGCTGCTGGGAAAAGGGGCAGGAGNAAGAAGTATCTGGNAATACCATTCT  
 CTCACCTCTNTTCCCCTCCTT

30

SEQ ID NO: 574

>19319 BLOOD\_331040.8 M92449 g190094 Human LTR mRNA, 3' end of coding region and 3' flank. 0

35 GTCCTGGAGCTGGAGCGCTTCCTGCCCCAGCCCTTCACCGGCGAGATCCGCGGGCA  
 TGTGTGACTTCATGAACCTCAGCCTGGCGGACTGCCTTCTGGTCAACCTGGCCTA  
 CGAGTCCTCCGTGTTCTGCACCAGTATTGTGGCTCAAGACTCCAGAGGCCACATT  
 TACCATGGTCGGAATTTGGATTATCCTTTTGGGAATGTCTTACGCAAGCTGACAG  
 TGGATGTGCAATTCTTAAAGAATGGGCAGATTGCATTCACAGGAAGTACTTTTAT  
 TGGCTATGTAGGATTATGGACTGGCCAGAGCCCACACAAGTTTACAGTTTCTGGT  
 40 GATGAACGAGATAAAGGCTGGTGGTGGGAGAATGCTATCGCTGCCCTGTTTCGG  
 AGACACATTCCCGTCAGCTGGCTGATCCGCGCTGTGGTTCCGAGTTGAGACAAAT  
 TACGACCACTGGAAGCCAGCACCCAAGGAAGATGACCGGAGAACATCTGCCATC  
 AAGGCCCTTAATGCTACAGGACAAGCAAACCTCAGCCTGGAGGCACTTTTCCAG  
 ATTTTGTGCGGTGGTTCCAGTTTATAACAAATGATTTTTTAAAAAATGAAATTCTTG  
 45 AAGAGCTGCACCTTAAAAAATAAGACAAAGTGAAAGTATTGTATTATGTTACAA  
 ACAATGCAGGCTCCTTCCTCATTTAACTTTACAACCTTGCGAAGTGGGTCCAGGA  
 GATTTGGAGTTTGTGGTAAAGCCAGTAATGGGCATTGTCCTGCATTCCCTTCCCTT  
 CATGGTTTGCCTCGATCCTCTCTAAGCTTCTATCCTGGCCTGAATAACTCAAAGAT  
 AATTGGTCTCAGAGATCAAGCCATATCCTCAGGCCTTATTTCCATCTTCTCATGAT



TCTGCCATCATACCTTTGCTTCTCCGCTAATGAAATGAGCTGGCAAGACCTCTGTT  
 CATTGTGAAGTGCTTCTGAAAGAGCCTAAGAAAAAAGGCTCATCTGAAAGAAAT  
 GGAGAACTCTATTTTCGAACCAAGCCTGTTTGAATGTGTGTTAGTCTGATCTTTGAT  
 CATGTGTTTCCATGTAATGGGAGTCTCGTTTTTTATAATGTTTCTAACGTTTTATT  
 5 GAAAAACCTATGGCCCTCCTTCTTCTCAATAGCTACTTTCTTACTGCTTTTTTGAA  
 AATAATATGCAACCAAATTATTTCTTAATGTCACATAATTAAGTAATAAAATGTC  
 AAAAGAAATGTTGGCAAGGAGAATAAAAAAATTTCCAAGAAAAA

SEQ ID NO: 575

10 >19391 BLOOD 197556.13 Z50853 g963047 Human mRNA for CLPP. 0

GACCGGGGCGTGCGGAGGGATGTGGCCCGGAATATTGGTAGGGGGGGGGCCCGGGT  
 GGCGTCATGCAGGTACCCCGCGCTGGGGCCTCGCCTCGCCGCTCACTTTCCAGCG  
 CAGCGGCCGCGCGCAGCGTACACTCCAGAACGGCCTGGCCCTGCAGCGGTGCCTG  
 CACGCGACGGCGACCCGGGCTCTCCCGCTCATTCCCATCGTGGTGGAGCAGACG  
 15 GGTCGCGGGCGAGCGCGCCTATGACATCTACTCGCGGCTGCTGCGGGAGCGCATC  
 GTGTGCGTCATGGGCCCCGATCGATGACAGCGTTGCCAGCCTTGTTATCGCACAGC  
 TCCTCTTCTGCAATCCGAGAGCAACAAGAAGCCCATCCACATGTACATCAACAG  
 CCCTGGTGGTGTGGTGACCGCGGGCCTGGCCATCTACGACACGATGCAGTACATC  
 CTCAACCCGATCTGCACCTGGTGGTGGGCCAGGCCGCGCAGCATGGGCTCCCTGC  
 20 TTCTCGCCGCCGGCACCCAGGCATGCGCCACTCGCTCCCCAACTCCCGTATCAT  
 GATCCACCAGCCCTCAGGAGGCGCCCGGGGCCAAGCCACAGACATTGCCATCCA  
 GGCAGAGGAGATCATGAAGCTGAAGAAGCAGCTCTATAACATCTACGGCAAGCA  
 CACCAAACAGAGCCTGGAGGTGATCGAGTCCGGCATGGAGAGGGACCGCTACAT  
 GAGCCCCATGGAGGCCAGGAGTTTGGCATCTTAGACAAGGTTCTGGTCCACCCT  
 25 CCCCAGGACGGTGAGGATGAGCCACGCTGGTGCAGAAGGAGCCTGTAGAAGCA  
 GCGCCGGCAGCAGAACCTGTCCCAGCTAGCACCTGAGAGCTGGGCCTCCTCTCCA  
 GAATCATGTGGAGGGGCCAGAGGCCTGCCAGACCCCCAGCTGGGCCCTGCTCAC  
 CCCTTGTTGCTGGGCTTGGAGGGGCCTCTTGAGGAACTTTTAATTTGCAGGGGTG  
 CCCGCTATGGACGGGGCATTCAGCTGAGACACTGTGATTTTAAATTAAATCTTT  
 30 GTGGTCTTTG

SEQ ID NO: 576

>19403 BLOOD 1144353.1 X12953 g35836 Human rab2 mRNA, YPT1-related and member  
 of ras family. 0

35 TTCAAGTACATCATAATCGGCGACACAGGTGTTGGTAAATCATGCTTATTGCTAC  
 AGTTTACAGACAAGAGGTTTCAGCCAGTGCATGACCTTACTATTGGTGTAGAGTT  
 CGGTGCTCGAATGATAACTATTGATGGGAAACAGATAAAACTTCAGATATGGGA  
 TACGGCAGGGCAAGAATCCTTTCGTTCCATCACAAGGTCGTATTACAGAGGTGCA  
 GCAGGAGCTTTACTAGTTTACGATATTACACGGAGAGATACATTCAACCACTTGA  
 40 CAACCTGGTTAGAAGATGCCCGCCAGCATTCCAATTCCAACATGGTCATTATGCT  
 TATTGGAAATAAAAGTGATTTAGAATCTAGAAGAGAAGTAAAAAAGAAGAAG  
 GTGAAGCTTTTGCACGAGAACATGGACTCATCTTCATGGAAACGTCTGCTAAGAC  
 TGCTTCCAATGTAGAAGAGGCATTTATTAATACAGCAAAAGAAATTTATGAAAA  
 AATTCAAGAAGGAGCTTTGACATTAATAATGAGGCCAATGGCATTAATAATTGGC  
 45 CCTCAGCATNTGTTACCATGCCACACATGCAGGCNATCAGGGAGGCANCAGCTG  
 GGGCNGCTCTGTTGANTCTGTTTATGCTANTGCCACGGGCTTCTCCCTTATCTTAN  
 CCTTCCTCTGGNACTGGNTGACCTTTGAAAGGTTTGCCAGAGATTANCCGCAATC  
 T

SEQ ID NO: 577

&gt;19425 BLOOD gi|1376913|gb|W68044.1|W68044 zd39f04.r1

Soares\_fetal\_heart\_NbHH19W Homo sapiens cDNA clone IMAGE:343039 5', mRNA  
sequence

5 AATATTTTTCAGCTTTCANCCATGTTGTTGGAGATGGAAAGATGGAAGCAGGACAG  
AGAAACTGGTCGATTTTCAAGGCCCTGTGAGTGCCTCGTCGTGCGTGTGGCCCCA  
GACCTCGGAGAAAGGATCACGCTAAGCGGTGACAAATCCTTGATAGAAGAAGTA  
TTTCCAGAGATCCGGCGACGTGATGTGTAAGTCTGTCAATGCAGGCTGGAATCAC  
GACTCGACGCACGTCATCAGGTTTCCACTAAATGGCTACTGTCACCTCAACTCAG  
10 TCCAAGGTCCTCGAGAGGTTGCAAGCAAAGAAGGATTTGAAATCCGTGGGCTCC  
TGTGGGGGAGGAGTAGACTCCGTCCCAAGTTCAGCCGAATACGTCCTTCGGCGG  
GAACTTGAGGCGGACCCCCCGTGTACCCTCCGTCATCCCGGATAAAGCAAAGAG  
CCTCTGGACTAAAATGGACATANTTCTTTAATGCAAAAAGGAAAACACACACA  
AACCNATT

15

SEQ ID NO: 578

&gt;19535 BLOOD 157116.31 Incyte Unique

AAGACCACTAGATTTTCTGGATTTAGAAAGACCTCCTACAACCCCTCAAAATGAA  
GAAATCCGAGCAGTTGGCAGACTAAAAAGAGAGCGGTCTATGAGTGAAAATGCT  
20 GTTCGCCAAAATGGACAGCTGGTCAGAAATGATTCTCTGTGGCACAGATCAGATT  
CTGCCCCAAGAAATAAAATTTCAAGGTTCCAGGCACCGATTTCTGCACCGGAGTA  
GACTGTGACACCATCGCCACAACAGGCTGGGGTCTGTCTCTCCCATATGTTACCT  
GAGATGGAGCTAATCTTTCTCTGCTGGTGGCATTCTTGTCTGCTTATCCAGTCTTC  
TACTCGTAGGGCATACCAGCAGATCTTGGATGTGCTGGATGAAAATCGCAGACCT  
25 GTGTTGCGTGGTGGGTCTGCTGCCGCCACTTCTAATCCTCATCATGACAACGTCA  
GGTATGGCATTTCAAATATAGATACAACCATTGAAGGAACGTCAGATGACCTGA  
CTGTTGTAGATGCAGCTTCACTAAGACGACAGATAATCAAATAAATAGACGTCT  
ACAACTTCTGGAAGAGGAGAACAAAGAACGTGCTAAAAGAGAAATGGTCATGTA  
TTCAATTACTGTAGCTTTCTGGCTGCTTAATAGCTGGCTCTGGTTTCGCCGCTAGA  
30 GGTAACATCAGCCCTCAAAAATACTGTCTCAACAGCTGGAAATATAAAAGATT  
GCAAACCTTCTTTGTTTCTGTCTCTGCATTGTATGCCATTTTATAGTCCACACCCTG  
AAAATGTATTTCTTCCAGAAAGTCTGGAGGAAGGACCTATATTTGTAGAAGTAAA  
GGTATATTCTGTCACTCAGCTGTATTCACGTCTGAGCAGTTCTGCAGTAACACCT  
GCTTAAATTTCTCCCTTTGCATGTTTTGTAAATAGGCTCCAGTTTTGTTTTTTAAA  
35 AGGAATTTATTTTTTGCCTCATCAGTCCACCCAAGTATTCTGAATGGGAGAGAG  
TCTGTAGAGAATTGATTCAGAAAAGTGTCTGTGAAAGAAAAACAATTATTTTGTCT  
CTGTTTCTCAAACAGTGTTAAGCAGTTTTGTTAATAGACATTTTTTGCATCGACACT  
TCAACATTAACACTTTGAAAGTCATGGTCTGGTGCCAGATTTAAGAAACTCGAAC  
CACCTAATATTTTATAACCTTCTTCATTAGGTACTTGTACAGATTAATTTCTAACA  
40 TTGCAGCAGTTTCATATGTGTGCAATATGTGCATTCTTTCAATTTAGTTTTGCACT  
TGGTTTTCTATAAAGTACGTTTTTACTCAGTTCATGCGTGAACAATTTAAAAAAC  
GACAGAATAAGGTACAAATGTAGTGTATTTAATAAACTGTCAACCAAAGA

SEQ ID NO: 579

45 &gt;19539 BLOOD 238238.1 Incyte Unique

CTTTTTTTTATTTTTTATCTCTATGCTTAATAGAAAACATATTTTTTATTCCGTACTTT  
AAAAATATAGACTTTCTAGCAACTTATAAATTTCTATTATAATAATAAATTGATA  
CTTTGAGCCAAGAAAACAATATAACCAAAAATTCATTTGTTCCCTTTGTTTAGGG  
GTGTTTTACATTTATGCATAATTTTGCTTTTATAAAAGATGATTGTTACAATCAGG

CTCTGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCTATTGGCTTCAAGTTGTTTACGCTT  
TCTTATTTGGTAGGTTTTGGCTTGTTCGCTCAAAGGATCCCTTCTTTCATGTCCTCCGATGATG  
TAAATTTTGCAAGGCAAGGGTCTCTTGTTATATGTGGTACTAACTCGGGCCACCTGGTCAT

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>19696 BLOOD gi|1401816|gb|W87741.1|W87741 zh68c06.s1
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35 Soares\_fetal\_liver\_spleen\_1NFLS\_S1 Homo sapiens cDNA clone IMAGE:417226 3' similar  
to gb:K02276 MYC PROTO-ONCOGENE PROTEIN (HUMAN);, mRNA sequence

>19853 BLOOD 1096264.4 L22009 g347313 Human hnRNP H mRNA, complete cds. 0

TTCACATGGCCGTTATAACGACGCGCGTCGTGGCCGTTTCGTATTTACAACGTCGT  
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 TGAATAGGATGGGTGTAAAGCATACTGGTCCAAATAGTCCTGACACGGCCAAT  
 GATGGCTTAGTACGGCTTAAGAGGACTACCCTATAGGATGTAGCAAGGAAGAAA  
 5 TTGTACAGTTCTATCTACAGGTATGTAGTCATAGTTAGTTGCTAGAGCAGTGAGT  
 ATAAAGGCTAGCTTATGGCAAGGTGATTTAATAGACGTTAAAGTTGAGTAGCTTA  
 GGTATTTTCAGTAGGTTGTAAATATGCCAATGAATTAATGTTTACTTCCTAGAGAC  
 CTTCAAATAATTTAAGCCCATCTTAAAGGTGGAAATGAAGTACTATCCAAAATGT  
 TAACTTTGCCTATATTTAGTATTATAGTTTCAGAGTAGATCTTTCATTGAGGATTGC  
 10 CCTCAACAGCTTAACTACTTTCTCACATTGGTGTCCAGCTAAGTACCTCAAGTTA  
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 ATTATGGCAAGTGTCTGTGTTGCAAGACACACGTATTTGGGTCATGTGACCAGAA  
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 15 GCTTGTAGTCTCAGTATCTGAAATAAGTGTTTTGAAATTGTTCTGGGCCTAAAG  
 TATTTGAATGTTTTTATGCTGAAGAGCTGATAAGATTGCATGTTTAAACAATGTTA  
 GATAAGATATCGTATATTTGAAGTATTAATATTGATGAGGTGATACACTGGAAGC  
 AAGAAATCCTTTCATGGTTTAGTGTAGTATGTTAAAAATTGATATATGTATCGAG  
 TCCTAATGTCAGAATTTTTTAAATCAAGTCTGTTTTGTTTTGACACTAAATTGGTG  
 20 AGAATTGAATGCTGTCAACGTTAAATATGAACATAATTTTCATATCTTCTAGGAAA  
 GTGCTTTAAGTCCTTTTTTGTAAGCTTGGGAATGTATCCACGGAAAGGATTTTTTCAT  
 TAGACGGAATTTCCAGAAGTGAATCATAACTACTGTTAGAGCATAAGCATGCATG  
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 25 CTTGAAGTTCCAATAACTTAAAGCATTGAAATATAAAATGAGGTAAAAGGTGTTT  
 TGAATTTAGTAAAACCTGTTATTTAATGCTTAAAACCTTAATTGAATTGTATAATTCT  
 CAACATTAAGTTGCATAGATATGTGTTCTTAAGTTGTTGAATTCTTAATGCATCCT  
 GTGTTTCAGCAAGTTTTTTTTTAATATATACTGTACCATGGGTGTGTTAAGAATAGTT  
 ATACTTTATAATAATGGAACCTTCATATTATTGCAATGCATATTTAAAGAGTACTT  
 30 GTTGAAGCATACCATTACCTAAAGTTAAAAATTCTGGTTTATTTAAAGCTATA  
 AGAAGAATCATTCTGGGCTTGTGATGTTAATATTGCCCCCTACTGGGGTTATTT  
 GTCCTTGGGTGTAAGGGTTGGAAATCGTGCCAAATGGGATAACATTGCCGGTGG  
 ACTTCCAGGGGAGGAGTACGGGGGAGGCCTTCGTGCAGTTTGCTTCACAGGAAA  
 TAGCTGAAAAGGCTCTAAAGAAACACAAGGAAAGAATAGGGCACAGGTGGGGA  
 35 TGGATGGTTGGTTGGATATGTCACCTTTCTTATGGTAAACAATTAATCCATATTC  
 TCTCTGCTTAAAAGAAGAAATTAATGTTTTGTAGTCCTAGGTAATTGATGTTTTGC  
 CATGATTTCCAAACTTGTGTCAGTCCCACGTTACACGCAAACCTAAATTTTAGGTTT  
 GAAATTTGTCCCTAGTTAATTGGTCTGCTTGACAATTTTGTGAGTCTTATTAACCC  
 CAATCAATAGAGTTGAGAGACTATGGCTTTAAAAAATTAATGCAAACCTGGCTTT  
 40 AGCTGTAATAACACCCACCTAGAATAAATTAATATTACCATAAGAAAATGTGAT  
 ACTTTCTGATCTTGTTTTTAAAGTTGAAATGCAACAACTTTTTCTTGCTGTATAT  
 AAATATTCTGCATAGTATTAATAAGCATAGCTTTCAAGAAATTGTCACAAAAGGT  
 TTTATTCTCTTTGCTTGTGACTATTTTTTCATTGAAGCATGCGCTTACCTATGCTGAT  
 TCTTACTAAAAGCATAGGCTGGGGTATTTATTGGCGAAAGGAAATGTGTAGTGTG  
 45 GGCTGGACTGTTGGTGGAGGCTGGCTTTTTAGCCCACTTGCTATACATGCTGCCA  
 ATGGATTTAAGACTTGAAATGTTGAAAGTTGAGTGGAATTATTTCCCTCCTAAAA  
 CATTATTTACAGTACTCCTCTCTACCCCTAAGGTTGGGCTCTGCCTCAGAGGAGT  
 GAGTTTTTTTTTTTTTTTCTATAAAGTTTACATTGTCTTACTATTTATTGAGTGAATT  
 TCTGGTCATTGCCTATGCAAATATAAGAAATCTGGCTTTAAATATTAGTCAGTTTC

ATGGCTATGACTAGATTGTTTTCTTGTATAACTAAATACCTGTATAAAATGAACT  
AATGTTTTCTCTCCCCTCCCTACCCCTTCCTTATGAACAATGCTTTAGGTATATTG  
AAATCTTTAAGAGCAGTAGAGCTGAAGTTAGAACTCATTATGATCCACCACGAA  
AGCTTATGGCCATGCAGCGGCCAGGTCCTTATGACAGACCTGGGGCTGGTAGAG  
5 GGTATAACAGCATTGGCAGAGGAGCTGGCTTTGAGAGGATGAGGCGTGGTGCTT  
ATGGTGGAGGCTATGGAGGCTATGATGATTACAATGGCTATAATGATGGCTATG  
GATTTGGGTCAGATAGATTTGGAAGAGACCTCAATTACTGTTTTTCAGGAATGTC  
TGATCACAGATACGGGGATGGTGGCTCTACTTTCAGAGCACAACAGGACACTG  
TGTACACATGCGGGGATTACCTTACAGAGCTACTGAGAATGACATTTATAATTTT  
10 TTTTCACCGCTCAACCCTGTGAGAGTACACATTGAAATTGGTCCTGATGGCAGAG  
TAACTGGTGAAGCAGATGTCGAGTTCGCAACTCATGAAGATGCTGTGGCAGCTAT  
GTCAAAAGACAAAGCAAATATGCAACACAGATATGTAGAACTCTTCTTGAATTCT  
ACAGCAGGAGCAAGCGGTGGTGCTTACGAACACAGATATGTAGAACTCTTCTTG  
AATTCTACAGCAGGAGCAAGCGGTGGTGCTTATGGTAGCCAAATGATGGGAGGC  
15 ATGGGCTTGTCAAACCAGTCCAGCTACGGGGGCCCAGCCAGCCAGCAGCTGAGT  
GGGGGTACGGAGGCGGCTACGGTGGCCAGAGCAGCATGAGTGGATACGACCAA  
GTTTTACAGGAAAACCTCCAGTGATTTTCAATCAAACATTGCATAGGTAACCAAGG  
AGCAGTGAACAGCAGCTACTACAGTAGTGGAAGCCGTGCATCTATGGGCGTGAA  
CGGAATGGGAGGGTTGTCTAGCATGTCCAGTATGAGTGGTGGATGGGGAATGTA  
20 ATTGATCGATCCTGATCACTGACTCTTGGTCAACCTTTTTTTTTTTTTTTTTTTC  
TTTAAGAAAACCTTCAGTTTAACAGTTTCTGCAATACAAGCTTGTGATTTATGCTTA  
CTCTAAGTGGAAATCAGGATTGTTATGAAGACTTAAGGCCCAGTATTTTGAATA  
CAATACTCATCTAGGATGTAACAGTGAAGCTGAGTAACTATAACTGTAAACTT  
AAGTTCCAGCTTTTCTCAAGTTAGTTATAGGATGTACTTAAGCAGTAAGCGTATT  
25 TAGGTAAAAGCAGTTGAATTATGTTAAATGTTGCCCTTTGCCACGGTAAANTGGA  
CCACTGTTTTGGGATGCATGTTGAAAGACATGCTTTTATTTTTTTGTAAAACAATA  
TAGGAGCTGTGTCTACTATTAAAAGTGAAACATTTTGGGCATGTTTGTTTAAATT  
CTTAGTTTTCATTTTAAATAAACCTGTAAAGGGCAACGGTAAAGTTTTAAAGCC  
TTTTNTNTNTNTNTNTTTTAAAGTTTAAATGGGGGGGAAAAAAAATTTT

30 SEQ ID NO: 582  
>19871 BLOOD GB\_X00187 X00187 Preproenkephalin (leu-enkephalin, met-enkephalin)  
CAGCCGTTAAGCCCCGGGACGGCGAGGCAGGCGCTCAGAGCCCCGCAGCCTGGC  
CCGTGACCCCGCAGAGACGCTGAGGACC

35 SEQ ID NO: 583  
>19872 BLOOD 1102297.22 X63432 g28335 Human ACTB mRNA for mutant beta-actin  
(beta'-actin). 0  
TTTGGCTTTATTCATTTTTTTGTGAGAGTTGACCATCAGGTATATTGGGGAAGGGA  
40 GAGATGGAGGCACCTTCATGAGTGCCTCCCAAGGGCAGTAGCCTCTGCAACTTGC  
TGGGGGTTTCAGGGGAAGCAGGGAGTTCATGGGGCTCCTCCAGCAAAGATGAGCT  
CCAGGGCTGCTTGGATGTCCCCACCGGTGGCCTGCAGGGCCCGCAGGCTCAGCTC  
ATCGTCCTGGATGCCCATGTACGTAGCTGCTGCAGCTGGGGCTGCCACTGGCTC  
TGAAGGCTGGGCTGCCCAGAGGCCTGAAGGGCATGCTGTAGGGCTTGGCTGAAG  
45 AGATCATTGGTGATGGGCGTCCCTGACTGGACACCAGAGGACATTGGTGAGGTC  
CCTGAGGAATGACCCTGGGTGCCAGGAGTCGGTGTGTGAGAGCTGCTCTCCGGA  
GTGCTGGCCAGGGCCAAGGCGGTGGCCAGCTCACTCTGGGTGATGGGCCGGGGC  
CCAGCAGCTCCACTGTACCCAGGGAGGCTGGGCGGGAGCTGGGAGTACTGCTA  
GAGGGTGTGGACCTGGTGTGTTGGGTGAAAGTCATCCTCATCATCTGAGAGCCCTT

CAAACAGGAAGCCACCTGGCATATCCCGGTATGAGCTGGAGGGGCATGCTCCGGG  
AAGAGGAGTCAGTCCCAGGCATTGGGGCACTGCCTGCTACGGAGTGCAGAACCA  
GGACAATGGCATTGACGAGGGGCTGGGTGAGCAGGCACCAACGTATCAAGCATAT  
TGGGATCAGCGAAGACAGAGAAGAGGTCCTTGTCTGGAGAACCCCAAGAGCAA  
5 TAGGGTCACTGCTGAGGCCTGGGGTGGCCACAATGATCTGATCCAGAGACTCCTT  
ATTGCTGAGCATCTTAAAGACCGCCTCCCTGTAAGAGGAGCTGCTGTGCAGGGCA  
GTGTGCAACACCCGGAACCTCTCTCATGGCAGCCACTTTGTCCACAGGTTCCGGTT  
TCTGATCAGGTTTCAGGCCAGGACTTTCGCAGAACATGGACAGTGGACCCAGGTT  
GAATGCCATAGAAGTCAAGTGTCTGGTCATCTTTTAGCTTCCGACCACAGTAGAT  
10 CAGATCAATCAGCTCAGGGTCTGGAACAGACTCCTGGAGTTTGCCAGCAATAAG  
CTGCTTCAGAAATGAAATACTATAGCCCCCTAGCGAGTATTCTCCCAGTTCTGTC  
TCTGGCAACCGAAGAATAGACTTTGGAGTAAGTGGCTGGTCAGCCAGCTTCACC  
GCCAGGTGCCAGTCTGAGAGAGACATCCTCTCTCTTTTCGCGCTCTCTTTTCTCCC  
CGTCCCGCCGAGACCGCGTCCGCCCCGCGAGCACAGAGCCTCGCCTTTGCCGATC  
15 CGCCGCCCCGTCCACACCCGCCGCCAGCTCACCATGGATGATGATATCGCCGCGCT  
CGTCGTCGACAACGGCTCCGGCATGTGCAAGGCCGGCTTCGCGGGCGACGATGC  
CCCCCGGGCCGTCTTCCCCTCCATCGTGGGGCGCCCCAGGCACCAGGGCGTGATG  
GTGGGCATGGGTGAGAAGGATTCTATGTGGGCGACGAGGCCCAGAGCAAGAGA  
GGCATCCTCACCCCTGAAGTACCCCATCGAGCACGGCATCGTCACCAACTGGGAC  
20 GACATGGAGAAAATCTGGCACCACACCTTCTACAATGAGCTGCGTGTGGCTCCCG  
AGGAGCACCCCGTGCTGCTGACCGAGGCCCCCTGAACCCCAAGGCCAACCGCG  
AGAAGATGACCCAGATCATGTTTGAGAGCTTAAACACCCAGCCATGTACGTTGC  
TATCCAGGCTGTGCTATCCCTGTACGGCTCTGGCCGTACCACTGGCATCGTGATG  
GACTCCGGTGACGGGGTCAACCACTGTGCCCATCTACGAGGGGGTATGCCCTCC  
25 CCCATGCCATCCTGCGTCTGGACCTGGCTGGCCGGGACCTGACTGACTAECTCAT  
GAAGATCCTCACCGAGCGCGGCTACAGCTTCACCACCACGGCCGAGCGGGAAAT  
CGTGCGTGACATTAAGGAGAAGCTGTGCTACGTGCCCCTGGACTTCGAGCAAGA  
GATGGCCACGGCTGCTTCCAGCTCCTCCCTGGAGAAGAGCTACGAGCTGCCTGAC  
GGCCAGGTCATCACCATTTGGCAATGAGCGGTTCCGCTGCCCTGAGGCACTCTTCC  
30 AGCCTTCCTTCTGGGCATGGAGTCTGTGGCATCCACGAAACTACCTTCAACTC  
CATCATGAAGTGTGACGTGGACATCCGCAAAGACCTGTACGCCAACACAGTGCT  
GTCTGGCGGCACCACCATGTACCCTGGCATTGCCGACAGGATGCAGAAGGAGAT  
CACTGCCCTGGCACCCAGCACAAATGAAGATCAAGATCATTGCTCCTCCTGAGCGC  
AAGTACTCCGTGTGGATCGGCGGCTCCATCCTGGCCTCGCTGTCCACCTTCCAGC  
35 AGATGTGGATCAGCAAGCAGGAGTATGACGAGTCCGGCCCCCTCCATCGTCCACC  
GCAAATGCTTCTAGGCGGACTATGACTTAGTTGCGTTACACCCTTTCTTGACAAA  
ACCTAACTTGCGCAGAAAACAAGATGAGATTGGCATGGCTTTATTTGTTTTTTT  
GTTTTGTTTTGGTTTTCTTTTTTTTTTTGGCTTGACTCAGGATTTAAAACTGGAAC  
GGTGAAGGTGACAGCAGTCGGTTGGAGCGAGCATCCCCAAAGTTCACAATGTG  
40 GCCGAGGACTTTGATTGCACATTGTTGTTTTTTAATAGTCATTCCAAATATGAGA  
TGCAATTGTTACAGGAAGTCCCTTGCCATCCTAAAAGCCACCCCACTTCTCTCTAA  
GGAGAATGGCCCAGTCTCTCCCAAGTCCACACAGGGGAGGTGATAGCATTGCT  
TTCGTGTAAATTATGTAATGCAAAATTTTTTTAATCTTCGCCTTAATACTTTTTTAT  
TTTTGTTTTATTTTGAATGATGAGCCTTCGTGCCCCCCTTCCCCCTTTTTTGTCCCC  
45 CAACTTGAGATGTATGAAGGCTTTTGGTCTCCCTGGGAGTGGGTGGAGGCAGCCA  
GGGCTTACCTGTACACTGACTTGAGACCAGTTGAATAAAAGTGCACACCTTAAAA  
ATGAAAAAA



SEQ ID NO: 584

>19885 BLOOD 236030.3 M17752 g33917 Human mRNA for gamma-interferon inducible early response gene (with homology to platelet proteins). 0

5 GGAACAGCCAGCAGGTTTTGCTAAGTCAACTGTAATGCCCTTATCCAATCAGAAT  
TAGGGAGGGGAAAATGGCTTTGCAGATAAATATGGNACACTAGCCCCACGNTTTC  
TGAGACATTCTCAATTGCTTAGACATATTCTGAGCCTACAGCAGAGGAACCTCC  
AGTCTCAGCACCATGAATCAAACCTGCCATTCTGATTGCTGCCTTATCTTTCTGAC  
TCTAAGTGGCATTCAAGGAGTACCTCTCTCTAGAACTGTACGCTGTACCTGCATC  
AGCATTAGTAATCAACCTGTTAATCCAAGGTCTTTAGAAAACTTGAAATTATTC  
10 CTGCAAGCCAATTTTGTCCACGTGTTGAGATCATTGCTACAATGAAAAAGAAGGG  
TGAGAAGAGATGTCTGAATCCAGAATCGAAGGCCATCAAGAATTTACTGAAAGC  
AGTTAGCAAGGAAAGGTCTAAAAGATCTCCTTAAAACCAGAGGGGAGCAAAATC  
GATGCAGTGCTTCCAAGGATGGACCACACAGAGGCTGCCTCTCCCATCACTTCCC  
TACATGGAGTATATGTCAAGCCATAATTGTTCTTAGTTTGCAGTTACACTAAAAG  
15 GTGACCAATGATGGTCACCAAATCAGCTGCTACTACTCCTGTAGGAAGGTTAATG  
TTCATCATCCTAAGCTATTCAGTAATAACTCTACCCTGGCACTATAATGTAAGCTC  
TACTGAGGTGCTATGTTCTTAGTGGATGTTCTGACCCTGCTTCAAATATTTCCCTC  
ACCTTTCCCATCTTCCAAGGGTACTAAGGAATCTTTCTGCTTTGGGGTTTATCAGA  
ATTCTCAGAATCTCAAATAACTAAAAGGTATGCAATCAAATCTGCTTTTTTAAAGA  
20 ATGCTCTTTACTTCATGGACTTCCACTGCCATCCTCCCAAGGGGGCCCAAATTCTTT  
CAGTGGCTACCTACATACAATTCCAAACACATACAGGAAGGTAGAAATATCTGA  
AAATGTATGTGTAAGTATTTCTTATTTAATGAAAGACTGTACAAAGTAGAAGTCTT  
AGATGTATATATTTCTTATATTGTTTTAGTGTACATGGAATAACATGTAATTAAAG  
TACTATGTATCAATGAGTAAACAGGAAAATTTTAAAAAATACAGATAGATATATGCT  
25 CTGCATGTTACATAAGATAAATGTGCTGAATGGTTTTCAAATAAAAATGAGGTA  
CTCTCCTGGAAATATTAAGAAAGACTATCTAAATGTTGAAAGACCAAAGGTTA  
ATAAAGTAATTATAACT

SEQ ID NO: 585

30 >19887 BLOOD 272980.8 X02544 g24444 Human mRNA for alpha1-acid glycoprotein (orosomucoid). 0

GCAGGATTGTGTACACAGACACAGAGTAAACTTTTGCTGGGCTCCAAGTGACCGCC  
CATAGTTTATTATAAAGGTGACTGCACCCTGCAGCCACCAGCACTGCCTGGCTCC  
ACGTGCCTCCTGGTCTCAGTATGGCGCTGTCCTGGGTCTTACAGTCCTGAGCCTC  
35 CTACCTCTGGCTGGAAGCCCAGATCCCATTGTGTGCCAACCTAGTACCGGTGCCC  
ATCACCAACGCCACCCTGGACCGGATCACTGGCAAGTGGTTTTATATCGCATCGG  
CCTTTCGAAACGAGGAGTACAATAAGTCGGTTCAGGAGATCCAAGCAACCTTCTT  
TTACTTCACCCCCAACAAGACAGAGGACACGATCTTTCTCAGAGAGTACCAGACC  
CGACAGGACCAGTGCATCTATAACACCACCTACCTGAATGTCCAGCGGGAAAAT  
40 GGGACCATCTCCAGATACGTGGGAGGCCGAGAGCATTTCGCTCACTTGCTGATCC  
TCAGGGACACCAAGACCTACATGCTTGCTTTTGACGTGAACGATGAGAAGAACT  
GGGGGCTGTCTGTCTATGCTGACAAGCCAGAGACGACCAAGGAGCAACTGGGAG  
AGTTCTACGAAGCTCTCGACTGCTTGCGCATTCCCAAGTCAGATGTCTGTACAC  
CGATTGGAAAAAGGATAAGTGTGAGCCACTGGAGAAGCAGCACGAGAAGGAGA  
45 GGAAACAGGAGGAGGGGGAATCCTAGCAGGACACAGCCTTGATCAGGACAGA  
GACTTGGGGGGCCATCCTGCCCCCTCCAACCCGACATGTGTACCTCAGCTTTTTCCCT  
CACTTGCATCAATAAAGCTTCTGTGTTTGGAACAGCTAAAAAAA

SEQ ID NO: 586

>19916 BLOOD 234842.5 M16447 g181552 Human dihydropteridine reductase (hDHPR)  
mRNA, complete cds. 0

5 CTGGCAGGAGCAGGATGGCGGCGGCGGCGGCTGCAGGCGAGGCGCGCCGGGTG  
CTGGTGTACGGCGGCAGGGGCGCTCTGGGTTCTCGATGCGTGCAAGGCTTTTCGGG  
CCCGCAACTGGTGGGTTGCCAGCGTTGATGTGGTGGAGAATGAAGAGGCCAGCG  
CTAGCATCATTGTTAAAATGACAGACTCGTTCCTGAGCAGGCTGACCAGGTGAC  
TGCTGAGGTTGGAAAGCTCTTGGGTGAAGAGAAGGTGGATGCAATTCTTTGCGTT  
10 GCTGGAGGATGGGCGGGGGCAATGCCAAATCCAAGTCTCTCTTTAAGAACTGT  
GACCTGATGTGGAAGCAGAGCATATGGACATCGACCATCTCCAGCCATCTGGCT  
ACCAAGCATCTCAAGGAAGGAGGCCTCCTAACCTTGGCTGGCGCAAAGGCTGCC  
CTGGATGGGACTCCTGGTATGATCGGGTACGGCATGGCCAAGGGTGCTGTTCAAC  
AGCTCTGCCAGAGCCTGGCTGGGAAGAACAGCGGCATGCCGCCCCGGGGCAGCCG  
CCATCGCTGTGCTCCCCGGTTACCCTGGATACCCCGATGAACAGGAAATCAATGCC  
15 TGAGGCTGACTTCAGCTCCTGGACACCCTTAGAATTCCTAGTTGAAACTTTCCAT  
GACTGGATCACAGGGAAAAACCGACCGAGCTCAGGAAGCCTAATCCAGGTGGTA  
ACCACAGAAGGAAGGACGGAACCTACCCCAGCATATTTTTAGGCCTCATCTCAGT  
GCCTATGAGGGGCGCTGCCAGAAAAGTCACTAACCTGTCTCAGTGTGGCCTTGTC  
AGCCTTGTGTTTTCTGTAAACCCCTGTTTGTGGTACGAGATAATGAGTCCTATTTTT  
20 CTCTCACATAATATGCATTTGCTCTCCTAGGACAGTGTAAATACATTTATGTGAAGT  
AAAGACATGCGAGACTGGTGGCCTGCAAATAGCATCCGTCAATCTGTGTTAACTG  
CATAGGGAGGGCTCTGCATAGCACCTGCTATAGCGGTGTCATGTTGGATCGCTTT  
TGTAAGTGTTCATCTGTCTTGACAGTGGCTGTCATCTTGACTACTTTGTTGATTT  
GTGGTATTGGGGACATTTTAAAGGCTGAGTTATTTTTGAATGTCATGTTTATGTC  
25 CATAGACGTAGTTTTTCGCATCCTTGAATTAAGCTGCCTTAACCTCCTTTTGTGGTATA  
AGCAAAACTACATGGACTCTGTCTGCTGGTATCCTTTTCCTGTGTGGTTGCCCTGTGT  
CCTCTGGCCTAGGGTTAAGTGTGCAAGATAACTACTCGTGAGTATTCAGAATGTT  
GTTCTTAATAAATGCACTTGTTGTCTGTCTTCTTTAATCAAATCACATCTTATATA  
CAGCAGTCAGAGATGAGTATACTAGAATCATGGATTGCTGGAGGTCTTTTAATCT  
30 GGTGTTCTCGGAAGGGGGTGCAATTTAAATCCTGAAATAAATATTTCAACACAAGA  
ACACAGGCCTGATTCTGCCTTGGACATGTCCAAATCTGGGGGTGATGGGATGGCC  
CTGTGCATTTAGAAGCAGCTCTCCACATATGGCCAATGTAGGCTGTCTGCTGGA  
AACTAGTAGTGGTTTAATTCAAGGATGCGGAAAACCTACGTCTTATGACATAAAC  
ATGACATTCAAAAATAACTCAGCCTTTAACTGGCAGAGCTAAGCCCAGATCTCTA  
35 GTCACCAGACTCTTGCTGTTTTTAAAGGCCTTTACCACGTATTTTCTTTCTTTTTT  
AGTGAGGTGAAATTCACATAA

SEQ ID NO: 587

>19943 BLOOD 425535.24 D14533 g286028 Human mRNA for XPAC protein. 0

40 TTTCCATTTTAATCCAGCATTTAAAAAGCTATCTAGACTAATGTTAAGTCCCACA  
ATAGAGGCCCAAGAGTACAGAAAACATGATCAGACTCGTACAACCTCAATGTTT  
ATTTCTGCTATTAGGGCTTTTTCCAGCAGTAGTTCCCCACTGTTTCCACCATCGTG  
GAGACAGAAATCGTCCTAAAAAACACATGACTAGAACCTGGGGTACAGTGGTGC  
ACCACCATTGCTATTATTTGTTTCTTGGTTAAGAATCCAGTTCAGCCTTTGTTGAA  
45 CCCTTTTCCCTCTACCCCAATCTAGGGTTTGCCTTGGTATCTTGTCCTCAAATTTGT  
AGCTGACCTACCACTTCTGCACCTACTCTAGCACTCAGCTCCCATCTCTGTTGTAA  
GAAGGCAATCACAGACATGACATTGTGCACACAACCAGGCCAGGTGACCTTCAC  
TGAAACTTGCTTTTAAAGCCATAACATACATAATTATTACTGAAGTATTACTTATAC  
AAGGGTTTCATTCATCTATGAAGATGTTGCTTTTTTTTTTTGAATTTTGAAAAGGAC

499

GCGGCATGGGGTCCGGGGGCTGGCCACCGGGATAGCCGGGGGTCTGGCAGGAA  
 TGGGAGGCATCCAGAACGAGAAGGAGACCATGCAAAGCCTGAACGACCGCCTG  
 GCCTCTTACCTGGACAGAGTGAGGAGCCTGGAGACCGAGAACCGGAGGCTGGAG  
 AGCAAAATCCGGGAGCACTTGGAGAAGAAGGGACCCAGGTCAGAGACTGGAG  
 5 CCATTACTTCAAGATCATCGAGGACCTGAGGGCTCAGATCTTCGCAAATACTGTG  
 GACAATGCCCCGCATCGTTCTGCAGATTGACAATGCCCCGTCTTGCTGCTGATGACT  
 TTAGAGTCAAGTATGAGACAGAGCTGGCCATGCGCCAGTCTGTGGAGAACGACA  
 TCCATGGGCTCCGCAAGGTCATTGATGACACCAATATCACACGACTGCAGCTGGA  
 GACAGAGATCGAGGCTCTCAAGGAGGAGCTGCTCTTCATGAAGAAGAACCACGA  
 10 AGAGGAAGTAAAAGGCCTACAAGCCAGATTGCCAGCTCTGGGTTGACCGTGGA  
 GGTAGATGCCCCCAAATCTCAGGACCTCGCCAAGATCATGGCAGACATCCGGGC  
 CCAATATGACGAGCTGGCTCGGAAGAACCGAGAGGAGCTAGACAAGTACTGGTC  
 TCAGCAGATTGAGGAGAGCACCACAGTGGTCACCACACAGTCTGCTGAGGTTGG  
 AGCTGCTGAGACGACGCTCACAGAGCTGAGACGTACAGTCCAGTCCCTTGGAGAT  
 15 CGACCTGGACTCCATGAGAAATCTGAAGGCCAGCTTGGAGAACAGCCTGAGGGA  
 GGTGGAGGCCCGCTACGCCCTACAGATGGAGCAGCTCAACGGGATCCTGCTGCA  
 CCTTGAGTCAGAGCTGGCACAGACCCGGGCAGAGGGACAGCGCCAGGCCCAGGA  
 GTATGAGGCCCTGCTGAACATCAAGGTCAAGCTGGAGGCTGAGATCGCCACCTA  
 CCGCCGCTGCTGGAAGATGGCGAGGACTTTAATCTTGGTGATGCCTTGGACAGC  
 20 AGCAACTCCATGCAAACCATCCAAAAGACCACCACCCGCCGGATAGTGGATGGC  
 AAAGTGGTGTCTGAGACCAATGACACCAAAGTTCTGAGGCATTAAGCCAGCAGA  
 AGCAGGGTACCATGATATTTTTGTTTCTGTTGGACTGAAACATAGTCTGGGTCTC  
 AACGTTGCGGTGATGATGGTTGAACATCATGTTTATATAAACCTTAATTTCTCA  
 TTTAATAGGAAGAAAATCTCAGGAGAGCCAAAAGGGAGGACCTGAAGGTCAGC  
 25 ATCCACCAAATGGAGATGGAGAGGATCCGCTACGTCCTCAGCAGCTACTTGCGG  
 TGTCGCCTCATGAAGGTTTGACGTGGAGATACCTCAAAGTCTCCGACCTCCGGGG  
 AGCCGAGAGCGGGACGTGGGAGCCGGGCTTG

SEQ ID NO: 588

>19975 BLOOD gi|28229|emb|X15357.1|HSAANP Human mRNA for natriuretic peptide receptor (ANP-A receptor)

CCATGGTAGGAGCGCTCGCCTCGCTGCGGTGCCCGCTGAGGCCATGCCGGGGGCC  
 CCGGCGCCCCGCTGGCTCCCGCCTGCGCCTGCTCCTGCTCCTGCTGCTGCCGCCG  
 CTGCTGCTGCTGCTCCGGGGCAGCCACGCGGGCAACCTGACGGTAGCCGTGGTA  
 35 CTGCCGCTGGCCAATACCTCGTACCCCTGGTCGTGGGCGCGCGTGGGACCCGCCG  
 TGGAGCTGGCCCTGGCCCAGGTGAAGGCGCGCCCCGACTTGCTGCCGGGCTGGA  
 CGGTCCGCACGGTGCTGGGCAGCAGCGAAAACGCGCTGGGCGTCTGCTCCGACA  
 CCGCAGCGCCCCCTGGCCGCGGTGGACCTCAAGTGGGAGCACAACCCCGCTGTGT  
 TCCTGGGCCCCGGCTGCGTGTACGCCGCCGCCCCAGTGGGGCGCTTCACCGCGCA  
 40 CTGGCGGGTCCCGCTGCTGACCGCCGGCGCCCCGGCGCTGGGCTTCGGTGTCAAG  
 GACGAGTATGCGCTGACCACCCGCGCGGGGGCCAGCTACGCCAAGCTGGGGGAC  
 TTCGTGGCGGGCGCTGCACCGACGGCTGGGCTGGGAGCGCCAAGCGCTCATGCTCT  
 ACGCCTACCGGCCGGGTGACGAAGAGCACTGCTTCTTCTCGTGGAGGGGCTGTT  
 CATGCGGGTCCGCGACCGCCTCAATATTACGGTGGACCACCTGGAGTTCGCCGAG  
 45 GACGACCTCAGCCACTACACCAGGCTGCTGCGGACCATGCCGCGCAAAGGCCGA  
 GTTATCTACATCTGCAGCTCCCCTGATGCCTTCAGAACCTCATGCTCCTGGCCCT  
 GGAAGCTGGCTTGTGTGGGGAGGACTACGTTTTCTTCCACCTGGATATCTTTGGG  
 CAAAGCCTGCAAGGTGGACAGGGCCCTGCTCCCCGAGGCCCTGGGAGAGAGGG  
 GATGGGCAGGATGTCAGTGCCCGCCAGGCCTTTCAGGCTGCCAAAATCATTACAT

ATAAAGACCCAGATAATCCCGAGTACTTGGAATTCCTGAAGCAGTTAAAACACC  
 TGGCCTATGAGCAGTTCAACTTCACCATGGAGGATGGCCTGGTGAACACCATCCC  
 AGCATCCTTCCACGACGGGCTCCTGCTCTATATCCAGGCAGTGACGGAGACTCTG  
 GCACATGGGGGAACGTGTTACTGATGGGGAGAACATCACTCAGCGGATGTGGAAC  
 5 CGAAGCTTTCAAGGTGTGACAGGATACCTGAAAATTGATAGCAGTGGCGATCGG  
 GAAACAGACTTCTCCCTCTGGGATATGGATCCCGAGAATGGTGCCTTCAGGGTTG  
 TACTGAACTACAATGGGACTTCCCAAGAGCTGGTGGCTGTGTGCGGGGCGCAAAC  
 TGAAGTGGCCCCCTGGGGTACCCTCCTCCTGACATCCCCAAATGTGGCTTTGACAA  
 CGAAGACCCAGCATGCAACCAAGATCACCTTTCCACCCTGGAGGTGCTGGCTTTG  
 10 GTGGGCAGCCTCTCCTTGCTCGGCATTCTGATTGTCTCCTTCTTCATATACAGGAA  
 GATGCAGCTGGAGAAGGAACTGGCCTCGGAGCTGTGGCGGGTGCCTGCGCTGGGAGGA  
 CGTTGAGCCCAGTAGCCTTGAGAGGCACCTGCGGAGTGCAGGCAGCCGGCTGAC  
 CCTGAGCGGGAGAGGCTCCAATTACGGCTCCCTGCTAACCACAGAGGGGCCAGTT  
 CCAAGTCTTTGCCAAGACAGCATATTATAAGGGCAACCTCGTGGCTGTGAAACGT  
 15 GTGAACCGTAAACGCATTGAGCTGACACGAAAAGTCCTGTTTGAAGTGAAGCAT  
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 CCCCCCAATATCTGCATCCTCACAGAGTACTGTCCCCGTGGGAGCCTGCAGGACA  
 TTCTGGAGAATGAGAGCATCACCTGGACTGGATGTTCCGGTACTCACTACCAA  
 TGACATCGTCAAGGGCATGCTGTTTCTACACAATGGGGCTATCTGTTCCCATGGG  
 20 AACCTCAAGTCATCCAAGTGCCTGGTAGATGGGCGCTTTGTGCTCAAGATCACCG  
 ACTATGGGCTGGAGAGCTTCAGGGACCTGGACCCAGAGCAAGGACACACCGTTT  
 ATGCCCCAAAAGCTGTGGACGGGCCCCCTGAGCTCCTGCGAATGGCTTCACCCCCGTG  
 TGGCGGGCTCCCAGGCTGGTGACGTATACAGCTTTGGGATCATCCTTCAGGAGATT  
 TGGCCTGAGGAGTGGGGTCTTCCAGGTGGAAGGTTTGGACCTGAGCCCCAAAGAG  
 25 ATCATCGAGCGGGTGAETCGGGGTGAGCAGCCCCCTTCCGGCCCTCCCTGGCCC  
 TGCAGAGTCACCTGGAGGAGTTGGGGCTGCTCATGCAGCGGTGCTGGGCTGAGG  
 ACCACAGGAGAGGCCACCATTCCAGCAGATCCGCCTGACGTTGCGCAAATTTA  
 ACAGGGAGAACAGCAGCAACATCCTGGACAACCTGCTGTCCCGCATGGAGCAGT  
 ACGCGAACAATCTGGAGGAACTGGTGGAGGAGCGGACCCAGGCATACCTGGAG  
 30 GAGAAGCGCAAGGCTGAGGCCCTGCTCTACCAGATCCTGCCTCACTCAGTGGCTG  
 AGCAGCTGAAGCGTGGGGAGACGGTGCAGGCCGAAGCCTTTGACAGTGTTACCA  
 TCTACTTCAGTGACATTGTGGGTTTCACAGCGCTGTGCGCGGAGAGCACACCCAT  
 GCAGGTGGTGACCCTGCTCAATGACCTGTACACTTGCTTTGATGCTGTCATAGAC  
 AACTTTGATGTGTACAAGGTGGAGACAATTGGCGATGCCTACATGGTGGTGTGAG  
 35 GGCTCCCTGTGCGGAACGGGCGGCTACACGCCTGCGAGGTAGCCCGCATGGCCC  
 TGGCACTGCTGGATGCTGTGCGCTCCTTCCGAATCCGCCACCGGCCCCAGGAGCA  
 GCTGCGCTTGCGCATTGGCATCCACACAGGACCTGTGTGTGCTGGAGTGGTGGGA  
 CTGAAGATGCCCCGTTACTGTCTCTTTGGGGATACAGTCAACACAGCCTCAAGAA  
 TGAGTCTAATGGGGAAGCCCTGAAGATCCACTTGTCTTCTGAGACCAAGGCTGT  
 40 CCTGGAGGAGTTTGGTGGTTTCGAGCTGGAGCTTCGAGGGGATGTAGAAATGAA  
 GGGCAAAGGCAAGGTTTCGACCTACTGGCTCCTTGGGGAGAGGGGGAGTAGCAC  
 CCGAGGCTGACCTGCCTCCTCTCCTATCCCTCCACACCTCCCCTACCCTGTGCCAG  
 AAGCAACAGAGGTGCCAGGCCCTCAGCCTCACCCACAGCAGCCCCATCGCCAAAG  
 GATGGAAGTAATTTGAATAGCTCAGGTGTGCTGACCCAGTGAAGACACCAGAT  
 45 AGGACCTCTGAGAGGGGACTGGCATGGGGGGATCTCAGAGCTTACAGGCTGAGC  
 CAAGCCCACGGCCATGCACAGGGACACTCACACAGGCACACGCACCTGCTCTCC  
 ACCTGGACTCAGGCCGGGCTGGGCTGTGGATCCTTGATCCCCCTCCCCTCCCCATG  
 CTCTCCTCCCTCAGCCTTGCTACCCTGTGACTTACTGGGAGGAGAGTCACCTGAA  
 GGGGAACATGAAAAGAGACTAGGTGAAGAGAGGGCAGGGGAGCCACATCTGG

GGCTGGCCCCACAATACCTGCTCCCCCGACCCCCTCCACCCAGCAGTAGACACAGT  
GCACAGGGGAGAAAGAGGGGTGGCGCAGAAGGGTTGGGGGCCTGTATGCCTTGCT  
TCTACCATGAGCAGAGACAATTAATAATCTTTATTCCAGTG

5 SEQ ID NO: 589

>20014 BLOOD Hs.347 gnl|UG|Hs#S3990 Human mRNA for lactoferrin /cds=(294,2429)  
/gb=X53961 /gi=34415 /ug=Hs.347 /len=2619

10 GACTCCTAGGGGCTTGCAGACCTAGTGGGAGAGAAAGAACATCGCAGCAGCCAG  
GCAGAACCAGGACAGGTGAGGTGCAGGCTGGCTTTCCTCTCGCAGCGCGGTGTG  
GAGTCCTGTCTGCCTCAGGGCTTTTCGGAGCCTGGATCCTCAAGGAACAAGTAG  
ACCTGGCCGCGGGGAGTGGGGAGGGAAGGGGTGTCTATTGGGCAACAGGGGCGG  
CAAAGCCCTGAATAAAGGGGCGCAGGGCAGGCGCAAGTGCAGAGCCTTCGTTTG  
CCAAGTCGCCTCCAGACCGCAGACATGAAACTTGTCTTCCTCGTCCTGCTGTTCT  
15 CGGGGCCCTCGGACTGTGTCTGGCTGGCCGTAGGAGAAGGAGTGTTCAAGTGGTG  
CGCCGTATCCCAACCCGAGGCCACAAAATGCTTCCAATGGCAAAGGAATATGAG  
AAAAGTGCCTGGCCCTCCTGTCAGCTGCATAAAGAGAGACTCCCCCATCCAGTGT  
ATCCAGGCCATTGCGGAAAACAGGGCCGATGCTGTGACCCTTGATGGTGGTTTCA  
TATACGAGGCAGGCCTGGCCCCCTACAACTGCGACCTGTAGCGGCGGAAGTCT  
ACGGGACCGAAAGACAGCCACGAACTCACTATTATGCCGTGGCTGTGGTGAAGA  
20 AGGGCGGCAGCTTTCAGCTGAACGAACTGCAAGGTCTGAAGTCCTGCCACACAG  
GCCTTCGCAGGACCGCTGGATGGAATGTCCCTACAGGGACACTTCGTCCATTCTT  
GAATGAGGACGGGTCCAACCTGAGCCATTGAGGAGCTGTGGCCAGGTTCTTCTCA  
GCGAGCTGTGTTCCCGGTGCAGATAAAGGACAGTTCCCCAACCTGTGTCGCCTGT  
GTGCGGGGACAGGGGAAAACAAAATGTGCTTCTCCTCCAGGAACCGTACTTCA  
25 GCTACTCTGGTGCCTTCAAGTGTCTGAGAGACGGGGCTGGAGACGTGGCTTTTAT  
CAGAGAGAGCACAGTGTTTGAGGACCTGTCAGACGAGGCTGAAAGGGACGAGTA  
TGAGTTACTCTGCCCAGACAACACTCGGAAGCCAGTGGACAAGTTCAAAGACTG  
CCATCTGGCCCCGGGTCCCTTCTCATGCCGTTGTGGCACGAAGTGTGAATGGCAAG  
GAGGATGCCATCTGGAATCTTCTCCGCCAGGCACAGGAAAAGTTTGGAAGGAC  
30 AAGTCACCGAAATTCCAGCTCTTTGGCTCCCCTAGTGGGCAGAAAGATCTGCTGT  
TCAAGGACTCTGCCATTGGGTTTTTCGAGGGTGCCCCCGAGGATAGATTCTGGGCT  
GTACCTTGGCTCCGGCTACTTCACTGCCATCCAGAACTTGAGGAAAAGTGAGGAG  
GAAGTGGCTGCCCGGCGTGCGCGGGTCTGTGTGGTGTGCGGTGGGCGAGCAGGAG  
CTGCGCAAGTGTAACCAGTGGAGTGGCTTGAGCGAAGGCAGCGTGACCTGCTCC  
35 TCGGCCTCCACCACAGAGGACTGCATCGCCCTGGTGCTGAAAGGAGAAGCTGAT  
GCCATGAGTTTGGATGGAGGATATGTGTACACTGCATGCAAATGTGGTTTGGTGC  
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40 GGACAGGACTGCAGGCTGGAATATCCCCATGGGCCTGCTCTTCAACCAGACGGG  
CTCCTGCAAATTTGATGAATATTTCAAGTCAAAGCTGTGCCCTGGGTCTGACCCG  
AGATCTAATCTCTGTGCTCTGTGTATTGGCGACGAGCAGGGTGAGAATAAGTGCG  
TGCCCAACAGCAACGAGAGATACTACGGCTACACTGGGGCTTTCGGGTGCCTGG  
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45 TGATGGAAATAACAATGAGGCATGGGCTAAGGATTTGAAGCTGGCAGACTTTGC  
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TCTTGCCATGGCCCCGAATCATGCCGTGGTGTCTCGGATGGATAAGGTGGAACGC  
CTGAAACAGGTGCTGCTCCACCAACAGGCTAAATTTGGGAGAAATGGATCTGAC  
TGCCCGGACAAGTTTTGCTTATTCCAGTCTGAAACCAAAAACCTTCTGTTCAATG



ACAACACTGAGTGTCTGGCCAGACTCCATGGCAAAACAACATATGAAAAATATT  
 TGGGACCACAGTATGTCGCAGGCATTACTAATCTGAAAAAGTGCTCAACCTCCCC  
 CCTCCTGGAAGCCTGTGAATTCCTCAGGAAGTAAAACCGAAGAAGATGGCCCAG  
 CTCCCCAAGAAAGCCTCAGCCATTCACTGCCCCCAGCTCTTCTCCCCAGGTGTGT  
 5 TGGGGCCTTGGCTCCCCTGCTGAAGGTGGGGATTGCCCATCCATCTGCTTACAAT  
 TCCCTGCTGTCGTCTTAGCAAGAAGTAAAATGAGAAATTTTGTGATATTCAAAA  
 AAAA

SEQ ID NO: 590

10 >20031 BLOOD gi|35521|emb|X54936.1|HSPLGF H.sapiens mRNA for placenta growth  
 factor (PlGF)  
 GGGATTTCGGGCGGCCAGCTACGGGAGGACCTGGAGTGGCACTGGGCGCCCGAC  
 GGACCATCCCCGGGACCCGCCTGCCCTCGGGCGCCCCGCCCGGGGCGCTCC  
 CCGTCGGGTTCCCCAGCCACAGCCTTACCTACGGGCTCCTGACTCCGCAAGGCTT  
 15 CCAGAAGATGCTCGAACCACCGGCCGGGGCCTCGGGGCAGCAGTGAGGGAGGC  
 GTCCAGCCCCCACTCAGCTCTTCTCCTCCTGTGCCAGGGGCTCCCCGGGGGATG  
 AGCATGGTGGTTTTCCCTCGGAGCCCCCTGGCTCGGGACGTCTGAGAAGATGCCG  
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 CTGTGCCCCCCCAGCAGTGGGCCTTGTCTGCTGGGAACGGCTCGTCAGAGGTGGA  
 20 AGTGGTACCCTTCCAGGAAGTGTGGGGCCGCAGCTACTGCCGGGCGCTGGAGAG  
 GCTGGTGGACGTCGTGTCCGAGTACCCAGCGAGGTGGAGCACATGTTTCAGCCC  
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 TGTGTGCCGGTGGAGACGGGCAATGTCACCATGCAGCTCCTAAAGATCCGTTCTG  
 GGGACCGGCCCTCCTACGTGGAGCTGACGTTCTCTCAGCACGTTTCGCTGCGAATG  
 25 CCGGCCTCTGCGGGAGAAAGATGAAGCCGGAAAGGTGCGGCGATGCTGTTGCCCG  
 GAGGTAACCCACCCCTTGGAGGAGAGAGACCCCGCACCCGGCTCGTGTATTTATT  
 ACCGTCACACTCTTCAGTGACTCCTGCTGGTACCTGCCCTCTATTTATTAGCCAAC  
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 GACCCTCAGGAATTCAGTGCCTTCAACAACGTGAGAGAAAGAGAGAAGCCAGCC  
 30 ACAGACCCCTGGGAGCTTCCGCTTTGAAAGAAGCAAGACACGTGGCCTCGTGAG  
 GGGCAAGCTAGGCCCCAGAGGCCCTGGAGGTCTCCAGGGGCGCTGCAGAAGGAAA  
 GAAGGGGGCCCTGCTACCTGTTCTTGGGCCTCAGGCTCTGCACAGACAAGCAGCC  
 CTTGCTTTTCGGAGCTCCTGTCCAAAGTAGGGATGCGGATTCTGCTGGGGCCGCCA  
 CGGCCTGGTGGTGGGAAGGCCGGCAGCGGGCGGAGGGGATTACGCCACTTCCCC  
 35 CTCTTCTTCTGAAGATCAGAACATTTCAGCTCTGGAGAACAGTGGTTGCCTGGGGG  
 CTTTTGCCACTCCTTGTCCTCCCGTGATCTCCCTCACACTTTGCCATTTGCTTGTAC  
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 CATAACAGAGTGGGCCCCGGGCTGGAGAAAGAGCTGCCTGGATGAGAAACAGCTC  
 AGCCAGTGGGGATGAGGTCACCAGGGGAGGAGCCTGTGCGTCCCAGCTGAAGGC  
 40 AGTGGCAGGGGAGCAGGTTCCCAAGGGCCCTGGCACCCCCACAAGCTGTCCCT  
 GCAGGGCCATCTGACTGCCAAGCCAGATTCTCTTGAATAAAGTATTCTAGTGTGG  
 AAACGC

SEQ ID NO: 591

45 >20039 BLOOD Hs.2064 gn|UG|Hs#S1973578 Human DNA sequence from clone RP11-  
 124N14 on chromosome 10. Contains the VIM gene for vimentin, the DNMT2 gene for DNA  
 methyl transferase 2, the 5' end of the gene for intrinsic factor-B12 receptor precursor, ESTs,  
 STSs, GSSs and two putative CpG islands /cds=(492,1892) /gb=AL133415 /gi=7160477  
 /ug=Hs.2064 /len=2215

CCACGCCCCCTTTGGCGTGGTGCCACCGGACCCCTCTGGTTTCAGTCCCAGGCGGAC  
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AGACTATCATCCGGAAAGCCCCCAAAGTCCCAGCCCAGCGCTGAAGTAACGGG  
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5 ACCCGCCCCACCTCCCCGCTTCTCGCTAGGTCCCTATTGGCTGGCGCGCTCCGCG  
GCTGGGATGGCAGTGGGAGGGGACCTCTTTCTAACGGGGTTATAAAAACAGC  
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10 CATGTCCACCAGGTCCGTGTCTCTGCTCCTACCGCAGGATGTTTCGGCGGCCCCG  
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CGTCCCCGGGCGGGCGTGTATGCCACGCGCTCCTCTGCCGTGCGCCTGCGGAGCAG  
CGTGCCCGGGGTGCGGCTCCTGCAGGACTCGGTGGACTTCTCGCTGGCCGACGCC  
15 ATCAACACCGAGTTCAAGAACACCCGCACCAACGAGAAGGTGGAGCTGCAGGAG  
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20 ATCATGCGCCTCCGGGAGAAATTGCAGGAGGAGATGCTTCAGAGAGAGGAAGCC  
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25 CGTCAGCAATATGAAAGTGTGGCTGCCAAGAACCTGCAGGAGGCAGAAAGAAATGG  
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TGCGCCAGGCAAAGCAGGAGTCCACTGAGTACCGGAGACAGGTGCAGTCCCTCA  
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30 GCCGCTGCAGGATGAGATTCAGAATATGAAGGAGGAAATGGCTCGTCACCTTC  
GTGAATACCAAGACCTGCTCAATGTTAAGATGGCCCTTGACATTGAGATTGCCAC  
CTACAGGAAGCTGCTGGAAGGCGAGGAGAGCAGGATTTCTCTGCCTCTTCCAAA  
CTTTTCCTCCCTGAACCTGAGGGAACTAATCTGGATTCACTCCCTCTGGTTGATA  
CCCACTCAAAAAGGACACTTCTGATTAAGACGGTTGAACTAGAGATGGACAGG  
35 TTATCAACGAACTTCTCAGCATCACGATGACCTTGAATAAAAAATTGCACACACT  
CAGTGCAGCAATATATTACCAGCAAGAATAAAAAAGAAATCCATATCTTAAAGA  
AACAGCTTTCAAGTGCCCTTCTGCAAGTTTTTCAGGAGCGCAAGATAGATTGGA  
TAGGAATAAGCTCTAGTTCTTAACAACCGACACTCCTACAAGATTTAGAAAAAA  
GTTTACAACATAATCTAGTTTACAGAAAAATCTTGTGCTAGAATACTTTTAAAA  
40 GGTATTTTGAATACCATTAATAACTGCTTTTTTTTTTCCAGCAAGTATCCAACCAAC  
TTGGTTCTGCTTCAATAAATCTTTGGAAAACTC

SEQ ID NO: 592

&gt;20082 BLOOD 025811\_Mm.1 X61800 g50378 Mouse mRNA for C/EBP delta. 0

45 AGCGATTTAAATGCTTCTTTATTCTTACAAATACTGTAAACATGAATATAAAAAG  
CATGCGCAGTCTCTTCTCTTATCTACAAAAGTCTGTCGGAAATGTCTTTTCTACA  
AATGTACCTTAGCTGCAATGGTAATAAGACGTAGAAAATGCTACCATTATAAAA  
AATAATTTAAGGGGAAAGATTAATATAGCTTCTCTCGCAGTCCAGTGCCCAAGCT  
GCAGCTTCTGTGCTCGCTCGCAGGTCCCAAAGGAACTTGCCGATCCGGCCGGCGTCT

GCTCCCCGCCTGTCGGGGTCTGAGGTATAGGTCGTTTCAGAGTCTCAAAGGCCAC  
 GCCGCGCGTTACCGGCAGTCGGCGCCGGTGGCGCGGCAGGAAAGGCGGGGCTGGG  
 CAGTTTTTTGAAAAAACTGCCGGAGGCCAGCCAGGTCCCGGGTGAGCTGCTCCAC  
 GCGCTGATGCAGCTTCTCGTTCTCGCCCGACAACTCCACCAGCTTCTGCTGCATCT  
 5 CCTGGTTGCGGCGCTTGGCCTTGTGCGCGGCTCTTGCGCACAGCGATGTTGTTGCG  
 CTCGCGCCGCTGCCGGTACTCCGGGGTGCCGCGGTCCGGACCCCTCTTGCCCGCG  
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 GCTCCGGCGAAGTGGGTGGAGT

10 SEQ ID NO: 593

>20091 BLOOD 235852.13 M15395 g186933 Human leukocyte adhesion protein (LFA-  
 1/Mac-1/p150,95 family) beta subunit mRNA. 0

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 15 ACACCGAGGGACATGCTGGGCCTGCGCCCCCACTGCTCGCCCTGGTGGGGCTGC  
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 20 CAGGAAGACCACAATGGGGGCCAGAAGCAGCTGTCCCCACAAAAAGTGACGCTT  
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 25 TFCGTGAACACGCACCCTGATAAGCTGCGAAACCCATGCCCAACAAGGAGAAA  
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 CCGAGGGTGGGCTGGACGCCATGATGCAGGTGCGCGCCTGCCCGGAGGAAATCG  
 GCTGGCGCAACGTCACGCGGCTGCTGGTGTTCGCACTGATGACGGCTTCCATTT  
 30 CGCGGGCGACGGGAAGCTGGGCGCCATCCTGACCCCCAACGACGGCCGCTGTCA  
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 CCAGCTGGCGCACAAAGCTGGCTGAAAACAACATCCAGCCCATCTTCGCGGTGAC  
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 CGTGGGGGAGCTGTCTGAGGACTCCAGCAATGTGGTCCATCTCATTAAGAATGCT  
 35 TACAATAAACTCTCCTCCAGGGTCTTCCTGGATCACAAACGCCCTCCCCGACACCC  
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 CCAGAGGTGACTGTGATGGCGTGCAGATCAATGTCCCGATCACCTTCCAGGTGAA  
 GGTCACGGCCACAGAGTGCATCCAGGAGCAGTCGTTTGTGATCCGGGGCGCTGGG  
 CTTACCGGACATAGTGACCGTGCAGGTCCTTCCCCAGTGTGAGTGCCGGTGCCGG  
 40 GACCAGAGCAGAGACCGCAGCCTCTGCCATGGCAAGGGCTTCTTGAGGTGCGGC  
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 GGCCGGAGCAGCCAGGAGCTGGAAGGAAGCTGCCGGAAGGACAACAACCTCCAT  
 CATCTGCTCAGGGCTGGGGGACTGTGTCTGCGGGCAGTGCCCTGTGCCACACCAGC  
 GACGTCCCCGGCAAGCTGATATACGGGCAGTACTGCGAGTGTGACACCATCAAC  
 45 TGTGAGCGCTACAACGGCCAGGTCTGCGGCGGCCCGGGGAGGGGGCTCTGCTTC  
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 AGGACCACTGAGGGCTGCCTGAACCCGCGGCGTGTTGAGTGTAGTGGTCGTGGC  
 CGGTGCCGCTGCAACGTATGCGAGTGCCATTCAGGCTACCAGCTGCCTCTGTGCC  
 AGGAGTGCCCCGGCTGCCCTCACCTGTGGCAAGTACATCTCCTGCGCCGAGTG

CCTGAAGTTCGAAAAGGGCCCCTTTGGGAAGAACTGCAGCGCGGGCGTGTCCGGG  
 CCTGCAGCTGTGCAACAACCCCGTGAAGGGCAGGACCTGCAAGGAGAGGGGACTC  
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 5 CATCGTCGGGGGACCCGTGGCAGGCATCGTGCTGATCGGCATTCTCCTGCTGGTC  
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 10 TGCCACAGCTCTTGAGGATGTCACCAATTAACCAGAAATCCAGTTATTTTCCGCC  
 CTCAAATGACAGCCATGGCCGGCCGGGTGCTTCTGGGGGCTCGTCGGGGGGGAC  
 AGCTCCACTCTGACTGGCACAGTCTTTGCATGGAGACTTGAGGAGGGAGGGCTTG  
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 AAAGGTGGTGCCAATTTATTTACATTTAAACTTGTGAGGGTATAAAATGACATCC  
 15 CATTAATTATATTGTTAATCAATCACGTGTATAGAAAAAAATAAAACTTCAATA  
 CAGGCTGTCCATGGAAAAAAAAGGG

SEQ ID NO: 594

>20222 BLOOD gi|32025|emb|Y00291.1|HSHAPRA Human hap mRNA encoding a DNA-  
 20 binding hormone receptor

CGGGGTAGGATCCGGAACCCATTCGGAAGGCTTTTTGCAAGCATTTACTTGGAAG  
 GAGAACTTGGGATCTTTCTGGGAACCCCGCGCCCGGCTGGATTGGCCGAGCAA  
 GCGTGGAAATGGTAAATGATCATTGGATCAATTAGAGGCTTTTAGCTGGCTTG  
 TCTGTGATAATTTCATGATTCGGGGGCTGGGAAAAAGACCAACAGCCTACGTGCCA  
 25 AAAAAAGGGGCGAGAGTTTGATGGAGTTGGGTGGACTTTTCTATGCCATTTGCCTCC  
 ACACCTAGAGGATAAGCACTTTTGCAGACATTCAGTGCAAGGGAGATCATGTTTG  
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 GAGTCCGTCTTCCTGCATGCTCCAGGAGAAAGCTCTCAAAGCATGCTTCAGTGGA  
 TTGACCCAAACCGAATGGCAGCATCGGCACACTGCTCAATCAATTGAAACACAG  
 30 AGCACCAGCTCTGAGGAACTCGTCCCAAGCCCCCATCTCCACTTCTCCCCCTC  
 GAGTGTACAAACCCTGCTTCGTCTGCCAGGACAAATCATCAGGGTACCACTATGG  
 GGTCAGCGCCTGTGAGGGATGTAAGGGCTTTTTTCCGCAGAAGTATTCAGAAGAA  
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 35 GAATCTGTGAGGAATGACAGGAACAAGAAAAAGAAGGAGACTTCGAAGCAAGA  
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 GAGCGTGTAATTACCTTGAAAATGGAAATTCCTGGATCAATGCCACCTCTCATTC  
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 5 ATATGTATCAATATATATACTCCTCACTGTGTAACCTACCTAGAAATACAACTTT  
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 25 ATATACTGTTTACCTTTTTCCATGGACTCTCCTGGCAAAGAATAAAATATATTTAT  
 TTT

SEQ ID NO: 595

yr12e06.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:205090 3'  
 30 similar to gb|M87905|HUMALND184 Human carcinoma cell-derived Alu RNA transcript,  
 (rRNA); gb:J03934 NAD(P)H DEHYDROGENASE (HUMAN);contains Alu repetitive  
 element;; mRNA sequence  
 gi|1010773|gb|H57941.1|H57941[1010773]  
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 AACTCTCATAATGGGTCATTTTGCCAGGGTTCTGCAGGCAAACCTTTATTTGAAG  
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SEQ ID NO: 596

>20244 BLOOD 113392.11 AJ225028 g3892593 Human mRNA for GABA-B R1a receptor.  
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TGGAGCCTGGATTTCGAGGGGAGGAGGGACGGGAGGAGGAGAGAAAGGTGGAGGAG  
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 5 GCACTCTTCCTCCGCCCCCGGGCGCGGGCGGGGCGCAGACCCCCAACGCCAC  
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 10 AATCTGCTCCAAGTCTTATTTGACCCTGGAAAATGGGAAGGTTTTCTGACGGGT  
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SEQ ID NO: 597

>20284 BLOOD 1039926.6 X02488 g179595 Human collagen alpha-2 type I mRNA,  
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SEQ ID NO: 598

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SEQ ID NO: 599

&gt;20816 BLOOD 1102307.12 M14058 g179643 Human complement C1r mRNA, complete cds. 0

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SEQ ID NO: 600

5 >20825 BLOOD 1000084.27 AF022375 g3719220 Human vascular endothelial growth  
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5 AGGGGAGCTGTCATGGGCTGCTTCTTCCAACAATGTGTCTCTTCTCTTCGCCGGG  
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30 ATGTCCACCAGGGTCTCGATTGGATGGCAGTAGCTGCGCTGATAGACATCCATGA  
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5 SEQ ID NO: 601

>20881 BLOOD GB\_R98877 gi|985478|gb|R98877|R98877 yq67f04.r1 Soares fetal liver  
spleen 1NFLS Homo sapiens cDNA clone IMAGE:200863 5' similar to contains Alu  
repetitive element;; mRNA sequence [Homo sapiens]

10 GCTTTTATACACAACGTTTTTGTAGGCATCACAGTTTTGCAACCTCTGCTCCAAA  
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SEQ ID NO: 602

>20921 BLOOD 478620.65 S62138 g386158 TLS/CHOP=hybrid gene {translocation  
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25 TCAGGCTATGGCCAGAGCAGCTATTCTTCTTATGGCCAGAGCCAGAACACAGGCT  
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40 AAGAGGTCCTGTCTTCAGATGAAAATGGGGGTACCTATGTTTCACCTCCTGGA  
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 ACTTGTGAACGACTACCAAGGAGTTTATATCAGAACTTAGGAGTCCCATGACCA  
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 25 CAAGAGTATCAATTTTAAGAGAGGCTGGCTCTTCCACCTACTGTGCCAATCTGGT  
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30 SEQ ID NO: 603

>20929 BLOOD 896499.1 X60111 g34768 Human mRNA for MRP-1. 0

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 35 GCGAGCGAAGGTTTGCAAGGAGACAGACGAGGGCGAAATTAAGCCAGGCGGCT  
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 40 AAGAGCATCTTCGAGCAAGAACTAATAATAATAATTCAGCTTCTACACAGGA  
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 5 GACCTTACAACCATGTCAGAAATAGACCCCCAAGCAGGGGCTGTCCCTCCTCCTTC  
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 15 NNN  
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SEQ ID NO: 604

>20937 BLOOD 476760.8 AF030455 g3169829 Human epithelial V-like antigen precursor

25 (EVA) mRNA, complete cds. 0

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 30 TTTGGCCTATAGCAGCTGTGGAAATTTATACCTCCCGGGTGCTGGAGGCTGTTAA  
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 GCTCTAACAGTGACCTGGAATTTTCGTCTCTAGACGGGGGACCTGAGCAGTTTG  
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 20 GAAAATATTATAACTGGATATTTCTTCAAACAGATGTCCTGGATGATGGTCCATA  
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SEQ ID NO: 605

>20969 BLOOD INCYTE\_3358822T6

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 30 AGCTCAGGCAGGGGGTGCTCCTGAGTTTCTGTGTGAGATTCCCCAAGCACAGATA  
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SEQ ID NO: 606

>20988 BLOOD 233843.3 AK001972 g7023569 Human cDNA FLJ11110 fis, clone  
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25 TTAACCAATTTGATGAATACCCAGTTCTCTTCTTTTCTAGAGAAAGATAGTTGCA  
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30 SEQ ID NO: 607

>21053 BLOOD INCYTE\_g1967662

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40

SEQ ID NO: 608

>21057 BLOOD INCYTE\_g819904

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SEQ ID NO: 609

>21063 BLOOD 474850.14 AF118224 g6647301 Human matriptase mRNA, complete cds. 0  
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15 CTGTAAGGAGCAGCGGGAACGGAGCTTCGGAGCCTCCTCAGTGAAGGTGGTGGG  
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SEQ ID NO: 610

>21080 BLOOD 1218745.1 X04366 g29663 Human mRNA for calcium activated neutral  
protease large subunit (muCANP; calpain; EC 3.4.22.17). 0

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25 GTTTGCATGAGGCAGGGACTCGGTCCCCCTTGCCGTGCTCCCCTCCCTCCTCGTCT  
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CGTTCATCTGCTCCGGGC

SEQ ID NO: 611

>21089 BLOOD 478379.2 U58913 g4204907 Human chemokine (hmrp-2a) mRNA,  
complete cds. 0

GGAAGCAGTGAGCCCAGGAGTCCTCGGCCAGCCCTGCCTGCCCACCAGGAGGAT  
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35 AGGCCCCGGGTCACAAAAGATGCAGAGACAGAGTTCATGATGTCAAAGCTTCCAT  
TGGAATAATCCAGTACTTCTGGACATGCTCTGGAGGAGAAAGATTGGTCCTCAGAT  
GACCCTTTCTCATGCTGCAGGATTCCATGCTACTAGTGCTGACTGCTGCATCTCCT  
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40 GCCAACCCAGTGATAAGCAAGTTCAGGTTTGCATGAGAATGCTGAAGCTGGAC  
ACACGGATCAAGACCAGGAAGAATTGAACTTGTCAAGGTGAAGGGACACAAGTT  
GCCAGCCACCAACTTTCTTGCTCAACTACCTTCCTGAATTATTTTTTTAAGAAGC  
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SEQ ID NO: 612

>21097 BLOOD 197014.6 AF095742 g4588081 Human serine protease ovasin mRNA,  
complete cds. 0

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 CCCCCGACCTCGTGCGGCCAAGACGTGGATGTTCTTGCTCTTGCTGGGGGGAGCC  
 5 TGGGCAGGACACTCCAGGGCACAGGAGGACAAGGTGCTGGGGGGTGCATGAGTGC  
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 10 CGATGTGGAGGACCACAACCATGATCTGATGCTTCTTCAACTGCGTGACCAGGCA  
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SEQ ID NO: 613

>21102 BLOOD INCYTE\_3090747H1  
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 25 AGTGCATCTGGGAATTGCCAGTCCAGCTGGGTAGTCCCAGGCTCCTGTCTTGGGG  
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SEQ ID NO: 614

>21104 BLOOD 987163.5 AF082182 g3435251 Human inwardly rectifying potassium  
 channel Kir7.1 gene, complete intron, and partial cds. 0  
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 AGGGCTAGGTCGGGTGTTGGCCACTTGGAAGATAAGATTAGGTTTGCCATCCATG  
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 35 GGGCAATCTTCGCCACAAAAGCACCTAAATAAGAAATTATTGATTTTTTTTTTAGA  
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SEQ ID NO: 615

>21140 BLOOD 104171.1 AF037447 g6466790 Human ribosomal S6 protein kinase mRNA,  
 complete cds. 0  
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CCTAGAAGCACTGTCTCCATCTGGAAGAGTAAAGAATGGTTTCAGTGCTTCTAGG  
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AGGCTTAGTACTGAACAATGCCAAGCACATGAGGAGAAAGGCATAGAGGAACTG  
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10 GAGGATCCCAGGATGTTATTTGTAGCAGCTGTTGATCATAGTAGTTCAGGAGATA  
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15 TCCAGAGAGACTCTGAGACTAAGGGTGAAAGTGGTTTAGTGCTAGAAGGAGACA  
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35 AAAAAAGAATATACACATAATTTCTGACGGAACCTGTACCCTGATGCTGTATA  
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40 AGGGAAGGGAGTGCTTATTTCCCTTTGTGTAAGGACTAAGAAATCATGATATCAA  
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45 ATGAGATTTTCAGA

SEQ ID NO: 616

>21152 BLOOD 221063.3 U78181 g1871169 Human sodium channel 2 (hBNaC2) mRNA,  
complete cds. 4e-12

CATCCATTTCATCGATTTCGCGCATTCTCCAGACCTTTACAGCCTGTGCTGGGGTACTG  
 GAGACTCCCTGGGTGGGGGCCCTGAGGGCCCGTGCTTCTGCCCCACCCCTGCAA  
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 5 CTTCCTGGTCCTAGATGTCTTCTTTGAGGCCCTGACCTCTGAAGCCATGGAGCAG  
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 10 GGGACCTCCACTGGGGGCATCTCCA

SEQ ID NO: 617

>21181 BLOOD 410188.1 M77235 g184038 Human cardiac tetrodotoxin-insensitive  
 voltage-dependent sodium channel alpha subunit (HH1) mRNA, complete cds. 0

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 15 AAGCAGCAGCCGCCACCCCGGGGCCCGGCCGGGGGACCAGCAGCTTCCCCACA  
 GGCAACGTGAGGAGAGCCTGTGCCCAGAAGCAGGATGAGAAGATGGCAAACCTTC  
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 CCATCGAGAAGCGCATGGCGGAGAAGCAAGCCCGCGGCTCAACCACCTTGCAGG  
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 25 GCACGACCCTCCACCCTGGACCAAGTATGTCGAGTACACCTTCACCGCCATTTAC  
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25 >21187 BLOOD 319829.1 AJ009936 g5852062 Human mRNA for nuclear hormone  
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SEQ ID NO: 619

35 >21189 BLOOD 232328.1 AF169677 g6808606 Human leucine-rich repeat transmembrane  
 protein FLRT3 (FLRT3) mRNA, complete cds. 0  
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SEQ ID NO: 620

>21213 BLOOD 474592.17 AF061749 g3372676 Human tumorous imaginal discs protein

40 Tid56 homolog (TID1) mRNA, complete cds. 0  
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SEQ ID NO: 621

>21224 BLOOD 197014.6 AF095742 g4588081 Human serine protease ovasin mRNA,  
complete cds. 0

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15 SEQ ID NO: 622

>21240 BLOOD 255990.12 AJ011497 g4128014 Human mRNA for Claudin-7. 0

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 25 ATTCGGGCCTGCAGTTGCTGGGCTTCTCCATGGGCCCTGCTGGGCTGGGTGGGTC  
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SEQ ID NO: 623

>21270 BLOOD INCYTE\_1381683H1

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5 CACTGTCA AGTATTT CATT

SEQ ID NO: 624

>21285 BLOOD 1008401.7 M17783 g183063 Human glia-derived nexin (GDN) mRNA, 5'  
end. 0

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SEQ ID NO: 625

&gt;21292 BLOOD INCYTE\_157873H1

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SEQ ID NO: 626

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10 SEQ ID NO: 627

>21298 BLOOD 441249.1 AF086432 g3483777 Human full length insert cDNA clone  
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SEQ ID NO: 628

>21307 BLOOD 336954.1 AF033383 g2739502 Human potassium channel mRNA,  
complete cds. 0

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SEQ ID NO: 629

>21310 BLOOD 246163.2 AK002158 g7023867 Human cDNA FLJ11296 fis, clone

PLACE1009731, weakly similar to AIG1 PROTEIN. 0

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SEQ ID NO: 630

>21313 BLOOD 271789.7 M94055 g456678 Human voltage-gated sodium channel mRNA,  
complete cds. 0

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SEQ ID NO: 631

>21321 BLOOD INCYTE\_078114H1

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25 SEQ ID NO: 632

>21334 BLOOD 345288.5 AF080157 g4185272 Human Ikb kinase-a (IKK-alpha) mRNA,  
 complete cds. 0

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25 TGAATATTTGTTTTAATACCACAGCTATTTAGAAGCATCATCACGACACATTTGC  
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35 TCTTGTACATACAAATTTATAAAGGTCTGCACTCCTTTATCTGTAATTGTAATTCCA  
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40 AAAATTTTACATAATTCTGAAACAACCTTGCCCCAAGGGTTTCAGAGAAAGGACTGTG  
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45 SEQ ID NO: 633

>21349 BLOOD 441249.1 AF086432 g3483777 Human full length insert cDNA clone  
ZD79H11.0

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 5 GGTTCAACTTGACGCTTGCAAAATTACCAAATAACGAGCTGCACGGCCAAGAGA  
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 10 ATTTCCATTTTGAATAGTCCATGATGCAGGATTTGGACCTTGGTACTTCAAGTTTA  
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 20 AGTCACTTAGACAGGCTTTTAGATGAATCTGCACAAAAAATCCTATATTACTGCA  
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 CCAGGAGTGAAAGCATCAGATCACTGCAAAGTGTGAGAAGATCGGAAGTTCGCA  
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 25 ACAAAGTGTAATAAAATGTTTCTTTTCATTAAAAAATAAAAAAAAAAAG

SEQ ID NO: 634

>21357 BLOOD 332459.2 AF216312 g6911218 Human type II membrane serine protease mRNA, complete cds. 0

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 CCAGGACCTGTGTGGGGAGGCCCTCCTGCTGCCTTGGGGTGACAATCTCAGCTCC  
 35 AGGCTACAGGGAGACCGGGAGGATCACAGAGCCAGCATGGATCCTGACAGTGAT  
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 40 GACTGTCCCTTGGGGGAGGACGAGGAGCACTGTGTCAAGAGCTTCCCCGAAGGG  
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 45 GGAGGCTTCGCATGCGGAAGTCAAGTGGGCCCTGTCTCTCAGGCTCCCTGGTCTC  
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 5 GGGAAGATGTCTGACATACTGCTGCAGGCGTCAGTCCAGGTCATTGACAGCACA  
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 GCAGGCATCCCGGAAGGGGGGTGTGGACACCTGCCAGGGTGACAGTGGTGGGCCC  
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 10 ACTGGATCTACAATGTCTGGAAGGCTGAGCTGTAATGCTGCTGCCCCCTTTGCAGT  
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 20 CTATTATTAAAGAGCTGTGTAACATCTCTGGCAAAA

SEQ ID NO: 635  
 >21372.BLOOD 413969.2 U38431.g4096733.Human clone rasi-6 matrix metalloprotease

RASI-1 mRNA, splice variant, complete cds. 0

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 CTACCTGTCAACAATATGGGTACCTACAGAAGCCTCTAGAAGGATCTAATAACTTC  
 AAGCCAGAAGATATCACCGAGGCTCTGAGTCTCAGGTCAGCTGGATGATGCCAC  
 30 AAGGGCCCCGCATGAGGCAGCCTCGTTGTGGCCTAGAGGATCCCTTCAACCAGAA  
 GACCCTTAAATACCTGTTGCTGGGCCGCTGGAGAAAGAAGCACCTGACTTTCCGC  
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 35 AATACTTTTGATGGGCCTGGGAGAGTCCTGGCCCATGCCGACATCCCAGAGCTGG  
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 40 AGTCCAGTGATAAGGGATGAGGAAGAAGAAGAGACAGAGCTGCCCACTGTGCC  
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 45 GACTGTATCAGATTCAGGACCGGGGCCCTTGTTCCGAGTGTCTGCCCTTTGGGAG  
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5 GACACTACCCCATCAGGTGGGAATACCACTCCCTCAGGTACGGGCATAACCTTGG  
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10 CTCCAGCCACCACTTTCCTGTGCATTTTCACTCCTGAGAAGTGCTCCCCTAACTCA  
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CTTCCAAGTGTGTCATCTCTTCTCTGGAGGTCAATGGTGGAGGGAGATGCCTGGG  
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15 AATTAACCTTGTTGAATCTCAGATTCCCCATTTGCAACATTAGGTTAAGACCAGT  
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SEQ ID NO: 636

20 >21384 BLOOD 403324.1 AF027957 g2739108 Human G-protein-coupled receptor  
(GPR35) gene, complete cds. 0

TGCGAAGAGGATCTGTCCAGGGGTAGACCTTCAAGGGTGACTTGGAGETCTTTA  
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 25 CCCTGCTCGCTCTCTGCTGACTCCGGCTCCCTGTGCTGCCCCAGGACCATGAATG  
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 5 ACAGGGCTGGGAGCAGCTGATCTCCATGTAGGGGCTGCAACAGCGGTGCAAGGG  
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10

SEQ ID NO: 637

>21387 BLOOD 014253.1 CAA04483.1 g2326776 sodium/glucose symporter-like protein  
 8e-42

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 15 CCACACATAGCACTGGACTCCAGAGTTGGTCTGCACGCCTACGACATCAGCGTGG  
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 20 CAACCTGGCTGCTCCTGGCCCTTGCTGGGTCTTCGTCCTGTGTACATCGCAGC  
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SEQ ID NO: 638

>21390 BLOOD 300437.18 M94046 g187393 Human zinc finger protein (MAZ) mRNA. 0

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25: AAGTCAAGGGGAGCAGGAGGAAGAGCCAGGAGGGCCAGAGGCAGAGAAGAGA  
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30

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 25 TTGGTAAAGCAGGGCATCGATCTCTCACCTGGGGCTTGTGGAAGAATCACGTGG  
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 35 TATACTGGAAATGTAAAATTGAAAATATGTTGGAAAAAAGATTCTGTCTTATAGG  
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SEQ ID NO: 640

>21416 BLOOD 094071.9 M87068 g179896 Human CaN19 mRNA sequence. 0

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TCTTGACTTCCTGCCATGGATCTCTTGGGCCAGGACTGTTGATGCCTTTGAGTTT  
TGTATTCAATAAACTTTTTTTGTCTGTTGATAATATTTTAATTGCTCAGTGATGTTT  
CATAACCCGGCTGGCTCAGCTGGAGTGCTGGGAGATGAGGGCCTCCTGGATCCT  
5 GCTCCCTTCTGGGCTCTGACTCTCCTGGAAATCTCTCCAAGGCCAGAGCTATGCTT  
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SEQ ID NO: 641

10 >21419 BLOOD 406378.10 M29696 g186365 Human interleukin-7 receptor (IL-7) mRNA,  
complete cds. 0

CAGGGCTGGCTTTTTTTTTTTTTTAATAAGATAGCTGGTGCCCAAGATTGTTTTCCAC  
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15 CTGCCCTAAACAAATAATTCTTGAATGCCTACTGTGGTGTGTAAGATATGAGTAA  
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45 CAAGGTTTAAAGGTGACCCAATGATTCAGCTATTTAAAAAAGAGGAAAGAA  
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SEQ ID NO: 642

>21422 BLOOD 354768.27 M18981 g179767 Human prolactin receptor-associated protein (PRA) gene, complete cds. 0

5 CCGAGCTGGCCTCCGGGGCACCGACCGCTATAAAGGCCAGTCGGACTGCGACAC  
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10 TGCTGAAATTGCAAGGCTGATGGAAGACTTGGACCGGAACAAGGACCAGGAGGT  
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15 AAGTTCACCTCCTGGTCCTTGTTCGGTCCAAGTCTTCCATCAGCCTTGCAATTC  
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SEQ ID NO: 643

25 >21425 BLOOD 286742.1 AF105201 g4336773 Human G-protein alpha subunit 14 (Galpha14) mRNA, complete cds. 0

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30 AGCCATGATCAGAGCGATGGACACGCTAAGGATACAGTATGTGTGTGAACAGAA  
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35 GTGCTTCGCGTCCGAGTGCCACCAACCGGCATCATTGAGTATCCATTTGACTTGG  
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SEQ ID NO: 644

15 >21427 BLOOD 337355.1 AL050214 g4884452 Human mRNA; cDNA DKFZp586H2123  
(from clone DKFZp586H2123); partial cds. 0  
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25 GGGGTACCTTGGATGACTTCTATGTGAAGGGGTTCTACTGTGCAGAGTGCCGAGC  
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40 AGCTATACTCAGCGGCCTTCAGCAAGCAGAACTGCAGAGTGCCCTACCAAGA  
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SEQ ID NO: 645

>21436 BLOOD 348119.3:U40215 g1594276 Human synapsin IIb mRNA, complete cds. 0  
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30 TCATGCCAGCAGCTTGCCTTTGAGAAGAAATGCTGCTGGCTCTATTTTTACATTCC  
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35 ATATACATATATGCATATTTGCACCTCCAGATGGGTTGCATAAGAATCAGGTCCT  
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SEQ ID NO: 646

&gt;21463 BLOOD 251776.14 X53002 g33952 Human mRNA for integrin beta-5 subunit. 0

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35

SEQ ID NO: 647

>21515 BLOOD 410296.1 AF085690 g4106439 Human multidrug resistance-associated  
 protein 3 (MRP3) mRNA, complete cds. 0

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SEQ ID NO: 648

40 >21518 BLOOD 244943.4 AJ001309 g3171907 Human mRNA for DnaJ protein. 0

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SEQ ID NO: 649

>21530 BLOOD 231654.4 AF056085 g3719225 Human GABA-B receptor mRNA,  
complete cds. 0

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30 ATCACTGGGGTGATCAGTCAGCAGATTGATTCTCATTTCATAAGATCATTCCTCCC  
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35 TACCAAACAGTGAAGCCGCCCTGATCCGTGAGGTATGAGTATGACTCTGACCTTC  
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40 AGGCAATAATCTCTTCCCAGAACCACTGCAGTCAGGAATAAACTGTTTTCTCCAC  
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45 AGTATTTACTTGCTTTCTTGATTTACCAAAAACCAAATTTAATTTAAAGGACCACA  
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AGGTTACCCCATTTTTTTTAAATTTCTCTCGCAAATAACAAGACCCACAGAAGTGA  
CTCTAGCTACTTAATGGTTCTGTTCTTTTATATGCAGCAAACACACCGTCCATTTC  
TGAAGAGGCTTCGGCCTGAAGGCATTTTCCAATGATGTTAGTGCACAAAACGCTT  
TAAATTAGACTGGAAGTCCAGAAATCAAATGTAAATGAGGAATTTCTCGTACCCC  
5 TACTGCATGGTATCGATTTTAAATAAATTGTTGCAAATTTGTTTTTATGAATAAAA  
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SEQ ID NO: 650

>21545 BLOOD INCYTE\_3384890H1

10 GTGGGCGCGGCTTCCTGCAGCTTGGGCTGGGGATATAGGCGCCCCACACCCGG  
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CCGGGTGGAGCGCGCNGGCGGCCGNTCTCCCTAGGACCCGAGTCGGGCGGCC  
GGCAGCGCTCCGCNTCCTCCTTNTGCTGGGCGCTGTCNTGAATCCCCACGAGGCC  
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15 SEQ ID NO: 651

>21551 BLOOD 235484.21 AF135960 g7416899 Human latent transforming growth factor  
beta binding protein 3 mRNA, partial cds. 0

20 GCTGCTGCTGGGCCTGGGCGGCAGGGTCGAGGGGGGGCCGGCCGGCGAGCGGG  
GCGCAGGCGGGGGCGGGGCGCTGGCCCGCGAGCGCTTCAAGGTGGTCTTTGCGC  
CGGTGATCTGCAAGCGGACCTGTCTCAAGGGCCAGTGTCTGGGACAGTTGTCAGC  
AGGCCGCGAGCGCTTCAAGGTGGTCTTTGCGCCGGTGATCTGCAAGCGGACCTG  
TCTCAAGGGCCAGTGTCTGGGACAGTTGTCTCAGCAGGGCTCCAACATGACGCTCATC  
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25 GTGTGCCCTCTCCCCTGCATGAATGGCGGCCAGTGTCTCCTCGCGAAACCAGTGCC  
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TGGGGGTACCGGCGGCTCAGGCCCGGCTGAGCAGGACAGGGGCCCTGTCCAC  
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30 GCCCAGCACGCAGCCTTCCTGGTGCCCTAGGCCCGGGACAGATCTCAGCAGAA  
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35 GCATTGAGAGCTCGAACGCCGAGAGCGCAGCCCCCTCCCAGCACCTGCTGCCGC  
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40 GGGGAAGTGGGCGCTGACTGTCCCCAGGGCTACAAGAGGCTTAACAGCACCCAC  
TGCCAGGACATCAACGAGTGCGCAATGCCGGGCGTGTGTCTGCCATGGTGACTGC  
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CCTCCCGTACACAGTGCATTGCAGACAAACCGGAGGAGAAGAGCCTGTGTTTCC  
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45 GCCAGCTCTGCTGCTGCAGTGTCTGGCAAGGCCTGGGGCGCGCGGTGTCTCAGCGCT  
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CCTTTTCTCTGCACCCTGACGGGCCACCCAAGCCCCAGCAGCTTCCGGAGAGCCCT  
AGCCAGGCTCCACCACCTGAGGACACAGAGGAAGAGAGAGGGGTGACCACGGA

CTCACCGGTGAGTGAGGAGAGGTCA GTGCAGCAGAGCCACCCAACTGCCACCAC  
 GACTCCTGCCCCGGCCCTACCCCGAGCTGATCTCCCGTCCCTCGCCCCCGACCATG  
 CGCTGGTTCTGCGGACTTGCCTCCTTCCCGCAGCGCCGTAGAGATCGCTCCCA  
 CTCAGGTACACAGAGACTGATGAGTGCCGACTGAACCAGAACATCTGTGGCCACG  
 5 GAGAGTGC GTGCCGGGCCCCCCTGACTACTCCTGCCACTGCAACCCCGGCTACCG  
 GTCACATCCCCAGCACCGCTACTGCGTGGATGTGAACGAGTGCGAGGCAGAGCC  
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 15 CCTGTGCCCAGGGCTACGCGCCCGCGCCCGACGGCCGACAGTTGCTTGGATGTGGA  
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 20 TGGCAGGAAATGCCAAGACATAGATGAGTGCAGCCAGGACCCGAGCCTGTGCCT  
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 GGCTTCACTCCACCCAGGACCAGCAGGCTTGTGAGGAGGTGGAGCAGCCCCAC  
 CACAAGAAGGAGTGCTACCTGAACTTCGATGACACAGTGTCTGCGACAGCGTA  
 TTGGGCACCAACGTGACCCAGCAGGAGTGCTGCTGCTCTCTGGGGGCGCGGCTGG  
 25 GGCGACCACTGCGAAATCTACCCCTGCCAGTCTACAGCTCAGCCGAGTTCCACA  
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SEQ ID NO: 652

>21553 BLOOD INCYTE\_3437994H1

30 GGCGGGCAGGCGACTCCTGTCCCGGGTGGAGGCGGCGGGANCGGANCCGGGGG  
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35

SEQ ID NO: 653

>21568 BLOOD 407563.4 Y17829 g4128042 Human mRNA for Homer-related protein Syn47.0

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 45 CCAGCCTGCTGCCAGCCTGGAAATGGCTCCGTTTATTCTCTTCGGGAGAATGAAT  
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 GAGCTGCCGGGTTTGCACCTTCGAGGAGATTTTCTGTGTAGTTTTTTTCTAATGT  
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